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Southern Illinois University

Bulletin

1970-1971 Undergraduate Catalog/Carbondale

SIU

OBJECTIVES OF SOUTHERN ILLINOIS UNIVERSITY

TO EXALT BEAUTY

*In God,
in nature, and
in art;
Teaching how to love the best
but to keep the human touch;*

TO ADVANCE LEARNING

*In all lines of truth
wherever they may lead,
Showing how to think
rather than what to think,
Assisting the powers
of the mind
In their self-development;*

TO FORWARD IDEAS AND IDEALS

*In our democracy,
Inspiring respect for others
as for ourselves,
Ever promoting freedom
with responsibility;*

TO BECOME A CENTER OF ORDER AND LIGHT

*That knowledge may lead
to understanding
And understanding
to wisdom.*

Southern Illinois University

Bulletin

1970-1971 Undergraduate Catalog/Carbondale

SOUTHERN ILLINOIS UNIVERSITY BULLETIN / Vol. 12, No. 9, June, 1970. Second-class postage paid at Carbondale, Illinois 62901, and Edwardsville, Illinois 62025. Published by Southern Illinois University, Carbondale, Illinois 62901, monthly except February, March, April, and December, when published semi-monthly.



This Issue

of the *Southern Illinois University Bulletin* covers in detail questions concerning the undergraduate program and applies to the Carbondale Campus. It supersedes Volume 11, Number 8.

THE FOLLOWING issues of the *Southern Illinois University Bulletin* may be obtained free from Central Publications, Southern Illinois University, Carbondale, Illinois 62901.

Graduate School Catalog (Carbondale or Edwardsville).

Guidelines for Prospective Students (Carbondale or Edwardsville).

Schedule of Classes. Please specify *quarter* (fall, winter, spring, or summer) and *campus* (Carbondale or Edwardsville).

Undergraduate Catalog. The catalog is available for examination in high school guidance offices and libraries throughout Illinois and in some other states. Copies will be furnished free to educational institutions upon request and to new students upon matriculation. The catalog may be purchased at the University Bookstore for \$1; mail orders should be sent to Central Publications and must include remittance payable to Southern Illinois University.

Vocational-Technical Institute Catalog

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University Calendar

<i>SUMMER, 1970</i>	Quarter Begins	Monday, June 22 *
	Independence Day Holiday	Friday, July 3
	Final Examinations	Monday–Friday, August 31–September 4
	Commencement (Edwardsville)	Friday, September 4
	Commencement (Carbondale)	Saturday, September 5
<i>FALL, 1970</i>	New Students	Sunday–Tuesday, September 20–22
	Quarter Begins	Tuesday, September 22 *
	Thanksgiving Vacation	Tuesday, 10 P.M.– Monday, 8 A.M., November 24–30
	Final Examinations	Saturday–Friday, December 12–18
<i>WINTER, 1971</i>	Quarter Begins	Monday, January 4 *
	Washington's Birthday Holiday	Monday, February 15
	Final Examinations	Saturday–Friday, March 13–19
<i>SPRING, 1971</i>	Quarter Begins	Monday, March 29 *
	Memorial Day Holiday	Monday, May 31
	Final Examinations	Saturday–Friday, June 5–11
	Commencement (Edwardsville)	Friday, June 11
	Commencement (Carbondale)	Saturday, June 12
<i>SUMMER, 1971</i>	Quarter Begins	Monday, June 21 *
	Independence Day Holiday	Monday, July 5
	Final Examinations	Monday–Friday, August 30– September 3
	Commencement (Edwardsville)	Friday, September 3
	Commencement (Carbondale)	Saturday, September 4
<i>FALL, 1971</i>	New Student Days	Sunday–Tuesday, September 19–21
	Quarter Begins	Tuesday, September 21 *
	Thanksgiving Vacation	Tuesday, 10 P.M.–Monday, 8 A.M., November 23–29
	Final Examinations	Saturday–Friday, December 11–17
<i>WINTER, 1972</i>	Quarter Begins	Monday, January 3 *
	Washington's Birthday Holiday	Monday, February 21
	Final Examinations	Saturday–Friday, March 11–17
<i>SPRING, 1972</i>	Quarter Begins	Monday, March 27 *
	Memorial Day Holiday	Monday, May 29
	Final Examinations	Saturday–Friday, June 3–9
	Commencement (Carbondale)	Friday, June 9
	Commencement (Edwardsville)	Saturday, June 10

* Classes begin with the evening classes after 5:30 P.M. on the Carbondale campus and with the evening classes after 4:30 P.M. on the Edwardsville campus.

Board of Trustees and Officers of Administration

BOARD OF TRUSTEES

Term Expires

Lindell W. Sturgis, <i>Chairman</i> , Metropolis	1971
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Martin V. Brown, Carbondale	1973
Ivan A. Elliott, Jr., Carmi	1973
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1 / The University and the Campus Organization

THE UNIVERSITY IN PERSPECTIVE

The year 1969 began the five-year long celebration of the centennial of Southern Illinois University, which was chartered in 1869, and which initiated instruction in 1874. Since that time the University has sought to meet the educational needs of the times for the people whom it serves as a public institution. Consistent with the character of the University, the centennial celebration will stress the hopes and goals of the future in each of the major academic areas, rather than dwelling on the real accomplishments in the past history of Southern Illinois University.

Although the student population has increased to the point that Southern Illinois University was recently rated twentieth in the nation in enrollment of full-time resident students and twenty-third largest in total enrollment, the formation of schools, colleges, divisions, and departments within the University permits focus on the special interests of individual students. The University comprises the faculty and facilities to offer general and professional training ranging from two-year associate degree programs to doctoral programs.

Though Southern Illinois University is a single university, it has two major campuses, the Carbondale Campus, with its Vocational-Technical Institute and Little Grassie Facilities, and the Edwardsville Campus which offers degrees at Alton, East Saint Louis, and Edwardsville.

The University has maintained extensive overseas operations in many parts of the world, and it continues to develop its international education dimensions.

The University is fully accredited by the North Central Association of Colleges and Secondary Schools. The University and its various academic components carry the following accreditation on the baccalaureate and higher levels: North Central Association, National Council for Accreditation of Teacher Education, American Association of Collegiate Schools of Business, American Chemical Association, American Council on Education for Journalism, American Dietetics Association, American Psychological Association, American Speech and Hearing Association by American Board of Examiners in Speech and Hearing, Board of Vocational Education of the State of Illinois, National Association of Schools of Music, United States Office of Education, and State Board of Vocational Education for Vocational Home Economics.

Carbondale Campus

Immediately south of the city of Carbondale, the University campus, comprising more than four thousand acres, has developed a three-hundred acre portion with woods and a lake as a site for its academic build-

ings and residence halls. The buildings are located in wooded tracts along two circular shaped campus drives, named for Lincoln and Douglas. Features that are located near the center of the campus complex are a wooded tract, preserved in the tradition of the native forests of Southern Illinois, and several buildings surrounding the site which formed the original campus almost a century ago. Among the recent additions to the campus skyline are the high-rise residence halls, the Morris Library with more than a million volumes, a multi-media classroom building, and the dome shaped S.I.U. Arena, seating more than 10,000 people for academic and recreational events.

The city of Carbondale is 100 miles southeast of Saint Louis, Missouri, in Jackson County, the western border of which is the Mississippi River. Immediately south of Carbondale begins some of the most rugged, picturesque terrain in Illinois. Sixty miles to the south is the historic confluence of the Ohio and Mississippi rivers, the two forming the border of the southern tip of Little Egypt, the fourteen southernmost counties in Illinois. The region immediately surrounding Carbondale is noted for its large peach and apple orchards. Within ten miles of the campus there are two state parks and four lakes. The largest of the lakes is Crab Orchard Lake, four miles east of Carbondale. It has a shoreline of 125 miles, and it is frequented by students for swimming, water skiing, boating, fishing, picnicking, camping, and hunting. Within the confines of the campus itself is the University's own Lake-on-the-Campus with facilities for swimming, boating, fishing, and picnicking.

The campus is undergoing extensive expansion. Approximately seventy large permanent buildings and several hundred small temporary buildings now comprise the campus. Additional buildings now under construction or recently completed include:

Life Science Building	Humanities Building
General Classroom Building	Advanced Physical Science
Physical Science Building	University Center Addition
Communications Building-Stage II	Recreation Complex

Residence Units: University Park, Evergreen Terrace

A campus for the Vocational-Technical Institute is located ten miles east of Carbondale, and includes classrooms, library, and shop facilities for its academic program, in addition to residence halls. The part of its program related to aircraft technology is located adjacent to the Southern Illinois Airport. Several of its temporary buildings are to be replaced by buildings representing the first stage of a master plan for the campus.

The Little Grassy Lake Facility consists of nine square miles of land adjacent to Little Grassy Lake and approximately seventy permanent structures. Although the programs conducted at Little Grassy are primarily devoted to instruction and training in recreation and outdoor education, many units of the University utilize its facilities in various ways.

Publications

From time to time reference is made in this catalog to other publications of the University. A list of these is given in this catalog immediately preceding the table of contents. For additional information write to the dean or director of the program or to Central Publications.

ACADEMIC AND RELATED UNITS

General Studies Division

JOHN W. VOIGT, *Dean*

*Man's Physical Environment and Biological Inheritance;
Man's Social Inheritance and Social Responsibilities; Man's
Insights and Appreciations; Organization and Communication
of Ideas; Health and Physical Development*

Except for students entering the Vocational-Technical Institute, freshmen, transfer students who have fewer than 64 quarter hours of acceptable transfer credit, and those who present 64 to 96 hours of credit and who are undecided in their educational goals, are placed in the General Studies Division. While in the division a student experiences contact with several areas of knowledge which can assist him in the thoughtful selection of a professional goal. If he knows his goal, he may work on the professional area concurrently with the courses of the General Studies curriculum.

The General Studies curriculum provides the wider social and cultural understanding increasingly necessary for successful participation as citizens in modern society and a broad base upon which a specialization can be built.

The General Studies curriculum, which is unique in several respects, involves the student during advancing stages of academic endeavor. The objective is to furnish a carefully prepared mix of mutually complementary generalized and specialized courses.

General Studies Division does not award degrees. The General Studies curriculum is a component of all baccalaureate programs in Southern Illinois University. Upon completion of a sufficient part of his General Studies requirements, a student transfers into the college or school of his major concentration.

Offices of the dean and of the academic advisers for students in General Studies are located on the ground floor of the south wing of Woody Hall.

School of Agriculture

WENDELL E. KEEPPER, *Dean*

*Agricultural Industries; Animal Industries; Forestry;
Plant Industries*

The School of Agriculture provides opportunity for the students to prepare themselves professionally through concentrating on study of agricultural and forest production and services and industries closely related thereto. Through teaching of formal courses, conducting research of significance to agriculture and forestry of the area, and providing consultation and service to the people of Southern Illinois in all phases of agriculture, forestry, and related occupations, the School of Agriculture strives to encourage better use of rural resources for the general welfare.

More than eighty-five percent of Southern Illinois University's graduates in agriculture have entered such major employment areas as agri-

cultural business, advanced professional training for research and teaching, agricultural education, and government services. About ten percent have gone into farming. Most forestry graduates have taken governmental or industrial positions. Graduates receive the Bachelor of Science degree.

The Agriculture Building houses the offices, classrooms, and laboratories of the school.

School of Business

ROBERT S. HANCOCK, *Dean*

*Accounting; Economics; Finance; Management; Marketing;
Secretarial & Business Education*

The School of Business aims to prepare students to perform successfully in business and other organizations functioning within a changing social, economic, and political environment. Study provides the student with fundamental principles and practices of organizational behavior and allows the mastering of knowledge and skills for effective management. The curriculum provides a broad base for understanding business while simultaneously allowing in-depth study within an area of concentration. Students find that the professional education they receive in the school is desired by business, governmental units, and other public institutions. The advanced curriculum, computer terminals, and extern programs provide students not only with a meaningful education but with a means of relating that education to organizations and commerce.

The School of Business is located in the General Classroom Building.

School of Communications

C. HORTON TALLEY, *Dean*

*Cinema & Photography; Journalism; Radio-Television;
Speech; Speech Pathology & Audiology; Theater*

The School of Communications provides the opportunity for students to specialize in the study of the various mass communications media and to develop skills in the utilization of those media.

The School of Communications is also engaged in research work in the various aspects of mass communications. It provides consulting and other services to area schools, newspapers, radio and television stations.

The school occupies the Communications Building, which includes the newest theater on campus along with broadcasting facilities.

College of Education

ELMER J. CLARK, *Dean*

*Conservation and Outdoor Education; Educational Administration
& Foundations; Elementary Education; Guidance & Educational
Psychology; Health Education; Higher Education; Instructional
Materials; Physical Education for Men; Physical Education for
Women; Recreation; Secondary Education; Special Education;
Student Teaching*

Preparation of teachers of all subjects taught in the public schools from kindergarten through high school is the special function of the College of Education. In its graduate offerings, however, it broadens

its efforts to include professional work for prospective college teachers and several specializations in school administration and supervision. For most undergraduate students preparing to teach in high schools, the subject-matter courses will be taken in the other colleges and schools of the University, and the professional preparation for teaching, including the student teaching, will be taken in the College of Education.

Graduates of the College of Education receive the Bachelor of Science or the Bachelor of Music Education degree.

The College of Education, housed in the Wham Education building, is the oldest unit of the University, which was originally chartered as Southern Illinois Normal University.

School of Fine Arts

BURNETT H. SHRYOCK, *Dean*

Art; Design; Music

The School of Fine Arts serves as an instrument of the University for the direction of training and the stimulation of creative and professional work in the fine arts. It also serves students, enrolled in other academic units, who want an experience in the fine arts for either cultural or practical reasons. It offers undergraduate concentrations leading to the Bachelor of Arts or the Bachelor of Music degree.

The School of Fine Arts sponsors a number of special events each year. A Fine Arts Festival, which lasts several weeks, includes lectures by noted artists, musical ensembles, individual performances, dance recitals, dramatic presentations, and art exhibitions. A continuous planning of art exhibitions and an intensive series of public music performances are presented at no cost to students and faculty members.

University Galleries, a campus-wide activity in terms of the exhibitions of student and faculty work as well as traveling exhibitions, is under the jurisdiction of the School of Fine Arts.

Administrative offices of the school are located in Woody Hall.

School of Home Economics

ROYE R. BRYANT, *Acting Dean*

Child & Family; Clothing & Textiles; Family Economics & Management; Food & Nutrition; Home Economics Education; Interior Design

The general objectives of the school, as established by the Home Economics faculty, are: (1) to prepare men and women as professionals (generalists and specialists) in selected home economics areas of service; (2) to assist home economics majors (and non-majors who elect courses in the school) in their personal development and in their preparation for establishing homes and families; (3) to provide services at the regional, national, and international levels which promote the aim of home economics. In addition to programs planned for students concentrating in home economics, a number of courses are offered to give men and women not concentrating in Home Economics an opportunity to study in areas related to home and family living.

Administrative and advisement offices, classrooms, and laboratories for the school are in the Home Economics building.

College of Liberal Arts and Sciences

ROGER E. BEYLER, *Dean*

Anthropology; Botany; Chemistry; English; Foreign Languages; Geography; Geology; Government; History; Linguistics; Mathematics; Microbiology; Philosophy; Physics and Astronomy; Physiology; Psychology; Sociology; Zoology

The College of Liberal Arts and Sciences provides (1) training in basic subject matter courses of General Studies; (2) opportunity for concentration in a wide and varied selection of areas; (3) electives not available in other instructional units of the University; (4) extension and adult education offered through the appropriate divisions; (5) graduate-level instruction for students pursuing higher degrees than the baccalaureate; (6) preprofessional training needed for admission to such specialized schools as law, medicine, and dentistry.

The diversified offerings of the College of Liberal Arts and Sciences are designed to help the student achieve a balanced personality, an awareness of the cultures of the past, an appreciation of his fellow man, and a fundamental understanding of the ever-changing physical, social, and political environment in which he lives. A student in the college may prepare for teaching at the secondary level by including in his studies certain professional courses offered by the College of Education. The Bachelor of Arts or Bachelor of Science degree is granted to a student who fulfills requirements for graduation from the College of Liberal Arts and Sciences. The courses of study outlined by the departments determine the degree awarded.

Administrative offices of the college are in the General Classroom Building; advisement offices are on the second floor of Woody Hall.

School of Technology

THOMAS B. JEFFERSON, *Dean*

Applied Science; Engineering; Engineering Technology; Industrial Technology; Technical and Industrial Education

The School of Technology provides instruction in broad areas of technology. Through instruction, research, and consultative services, it serves Southern Illinois and has a growing responsibility in broader areas.

The courses of study in the School of Technology are designed to provide instruction and to stimulate research in all areas of technology. These courses of study serve to eliminate the barriers and to bridge the gaps between scientists, engineers, and technologists—between theories and their applications—between the creative and practical aspects, in the basic areas of science, engineering, and industry. Its course offerings provide:

1. Basic subject matter for development of the scientific and technological method and philosophy.
2. Preprofessional and professional training in the field of engineering leading to the Bachelor of Science degree.
3. Extension and adult education courses offered through the appropriate divisions of the University.
4. Graduate-level instruction for students pursuing higher degrees.

All offices and facilities of the School of Technology are centered in the Technology complex by the Lake-on-the-Campus.

Division of Technical and Adult Education

ERNEST J. SIMON, *Dean*

The Division of Technical and Adult Education was established with dual responsibility: to meet the fundamental functions of adult education in its performance in our society; and to serve high school graduates interested in obtaining a college-level course of instruction of a shorter duration than the usual four-year college program.

The Vocational-Technical Institute provides for high school graduates two-year college-level terminal courses of study for training technicians. These courses of study are designed to prepare men and women for employment at the semi-professional and technical level in industry, the allied health occupations, and business. The institute awards the Associate in Arts, Associate in Business, and Associate in Technology degrees.

The Vocational-Technical Institute is located approximately ten miles east of Carbondale and has its own classrooms, laboratories, library, offices, cafeteria, and residence halls.

The adult education course of study consists of noncredit courses in various vocational, technical, and general education fields designed to provide a wide variety of educational opportunities for adults.

Most courses range in length from eight to twelve weeks, two or three hours weekly. Certain special courses are offered for sixteen to twenty-four weeks. These courses are varied to meet the interests and needs of the adults served. The adult education courses are taught by regular staff members obtained from every division and school of the University, as well as carefully selected specialists from the ranks of business, industry, and the professions.

For further information obtain the Division of Technical and Adult Education bulletin from 908 South Wall Street, Carbondale.

University Extension Services

RAYMOND H. DEY, *Dean*

The University Extension Services is an all-university agency with offices on both the Carbondale and Edwardsville campuses. Its major function is to impart knowledge to persons not in regular attendance at the University. This is done in two ways: (1) the extension class program, and (2) the educational conference program.

Extension classes, which offer college credit and are identical to similar classes offered on the campus, are scheduled in the various communities in the southern half of the state of Illinois, or are offered by radio or television for Southern Illinois residents, where there is a need for them. Classes are also scheduled in foreign countries when there are definite advantages to having them offered there.

The educational conference program is conducted on both campuses of the University and occasionally off campus in nearby cities and towns. Assistance is given not only for local conferences but for state and national conferences.

Additional information may be obtained from the office of the dean of University Extension Services, located in Anthony Hall.

The Library

Morris Library contains approximately 1,150,000 volumes and 8,000 current periodicals, plus collections of textbooks, newspapers, maps, films, framed art works, and phonograph records. With the exception of volumes in the rare book room, all books are arranged on open shelves available for browsing.

Recognizing the importance of libraries in a college education, the University has given special attention to both quantity and quality of library development. More than 130,000 volumes were added to the library during the past year, placing Southern Illinois University high in growth among the nation's libraries. Reference librarians throughout the library are available to assist in locating materials. A handbook on library use is available from the library. Those wishing further instruction may enroll in a course on library research methods.

Morris Library houses four subject libraries (Education, Humanities, Science, and Social Studies), a Reserve Reading Room, the Learning Resources Service, and the Textbook Rental Service. Microtext reading equipment is available in each subject library; hi-fidelity phonograph listening equipment is provided in the Humanities library. A central card catalog of the entire collection is located on the first floor; books may be borrowed from a central circulation desk using an automated charging system. An inexpensive photocopying service is available to students at the circulation desk.

Special libraries are also provided for the University Laboratory School, the Vocational-Technical Institute, and the Little Grassy Facilities. A new Undergraduate Library Reading Room is planned for mid-1970.

Within the library system the Learning Resources Service makes films and other audio-visual materials available to students as individuals and in small groups in much the same way as books are available through the reserve system. There are about 3,000 film showings per week on this basis. The service supports the full range of instructional activity with the design, making, and use of graphics and audio-visual aids.

A facility of the Learning Resources Service is the central Self-Instruction Center, described under *Student Services* in this chapter. There are also self-instruction mini-centers placed at convenient locations over the campus.

University Museum

The purpose, policy, and responsibility of the University Museum are education and interpretation through the acquisition, preservation, study, research, exhibition, and circulation of archaeological, artistic, ethnological, historical, and scientific objects and specimens.

The University Museum is classified as a unit auxiliary to education and functions as a comprehensive entity within the University framework, crosscutting the boundaries of the orthodox disciplines or joining them in cooperative effort. Within the overall concept of its educational goals, the University Museum also functions as a sponsor and agent for inter-

disciplinary research in various geographic areas. In addition to administrative officers, the University Museum offers the services of the curatorships of collections, exhibits, geology, Mesoamerican archaeology, and North American archaeology. The archaeology, geology resource, and Mayan Laboratories are integral operational units of the University Museum. The fine arts, Illinois history, and at least a portion of the pure sciences are also given attention in various ways. Student and community involvement, particularly in the exhibits program is maintained.

Owing to the destruction of the exhibit halls through fire, the current exhibits program is carried out through utilization of modular, "mini-exhibits" located in various buildings about the Carbondale campus. Administrative Offices of the University Museum currently are located at 207 East Pearl street.

SPECIAL INSTITUTES AND PROGRAMS

Aerospace Studies

COL. EDWARD C. MURPHY, *Commander*

The Air Force Reserve Officers Training Corps Detachment is a senior division ROTC unit administered by commissioned officers of the United States Air Force. The Department of Aerospace Studies offers a two-year and a four-year program. The latter is divided into the General Military Course (GMC), covering the freshman and sophomore years, and the Professional Officer Courses (POC), covering the junior and senior years. The courses of the POC are designed to provide the fundamental training, both personal and professional, which will best equip a cadet to become an effective junior Air Force officer possessing a high growth potential and also to develop and stimulate a growing desire on his part to enter the Air Force training program. The GMC is designed with two additional objectives in mind: first, to interest the cadet in the possibility of continuing in the advanced AF ROTC and ultimately making the Air Force his career; and second, to provide him with Space Age citizenship training of long-range value to the Air Force whether he returns to civilian life or becomes a member of the USAF.

In addition to the AF ROTC programs offered for academic credit, Aerospace Studies indorses or directly sponsors extracurricular activities. The Arnold Air Society, a national honorary service organization, is open to selected AF ROTC cadets. Membership in the Angel Flight, an auxiliary of the Arnold Air Society is open to selected undergraduate women. Angel Flight assists the cadets of the Arnold Air Society in community/campus service-oriented projects.

Further information may be obtained from Aerospace Studies, Wheeler Hall.

Black American Studies

JAMES ROSSER, *Director*

The Black American Studies program is designed to foster an awareness and understanding of contemporary developments respecting black Americans by virtue of new historical and cultural perspectives. The program acts as a clearing house for the collection and effective dissemination

tion of information about Black America and for collation of opinions, critical evaluations, and assessments of the need for new curricular material.

A reference center in the former Doyle dormitory is stocked with books, journals, and other documents, by, about, and significant to black Americans. Recordings of speeches and music by famous black Americans are provided in the program's media room.

Center for Management Development

R. RALPH BEDWELL, *Director*

The primary objective of the Center for Management Development is to serve the continuing educational needs of individuals from business, education, and government in the primary service area of Southern Illinois and beyond through the offering of noncredit management development programs, small business development programs, and programs for academicians.

Inquiries should be addressed to the director, Center for Management Development.

Community Development Institute

RICHARD M. THOMAS, *Director*

The Community Development Institute has been established for students seeking training in work with individuals and groups striving to develop a more satisfactory life within the community setting. The institute's purposes also include training of adults concerned with improving their community leadership, and cooperating with academic units of the University and other agencies in research undertakings to investigate community processes and social change. Research findings from these undertakings become invaluable to the communities in their development. A secondary concentration in Community Development is available. Offices of the institute are in Anthony Hall.

Intercultural Studies

PAUL MORRILL, *Director*

Intercultural studies includes General Studies courses designed to prepare freshmen and sophomores for area studies programs in African Studies, Inter-American Studies, Asian Studies, or Russian and East European Studies. Intercultural studies or any of the specific area studies may be the student's field of primary or secondary interest. The Latin American Institute offers a primary or secondary concentration in inter-American Studies while a secondary concentration is provided in African, Asian, or Russian and East European studies. Intercultural studies assists a student in developing an individually designed area studies study program, which may be obtained through the University's special concentration program. This program permits a student to receive approval to follow a specially designed program rather than those usually followed by students. Intercultural studies may be combined also with a concentration in other fields.

Special courses or sections are offered in anthropology, geography,

economics, government, history, philosophy, and the humanities with reference to the foreign areas listed above. Outside of the framework of courses, the program staff helps students plan foreign study and travel and individual self-instruction programs in areas not covered by regular University offerings.

For further information write to Intercultural Studies.

Labor Institute

JOHN M. McDERMOTT, *Director*

The function of the Labor Institute is to promote harmony and cooperation between labor and management by encouraging the training of students and others interested in labor and industrial relations and to provide advice on the technical aspects of labor and industrial relations to labor, to industry, and to the public. Location of the institute is 805 South Elizabeth Street.

Latin American Institute

A. W. BORK, *Director*

In order to provide a special course of study for the student interested in Latin America, the Latin American Institute offers an undergraduate concentration in inter-American studies leading to the Bachelor of Arts degree in the College of Liberal Arts and Sciences. The institute is located in the International Center in Woody Hall.

President's Scholar Program

BRUCE B. MACLACHLAN, *Director*

The President's Scholar Program is designed to enable academically talented students to profit from an association with each other; to achieve maximum flexibility within the framework of the general University curriculum; and to take fullest advantage of the talents and resources in the University.

A council of President's Scholars works with a faculty committee and the program staff to further the purposes of the program and to initiate and develop special courses and activities of interest. The staff assists the scholars individually and in groups to obtain the best curricular and extra-curricular conditions for excellent and rewarding academic work. The program has no set format or curriculum; it is intended to provide opportunities for the individually styled education particularly appropriate to superior students.

Test scores and high school standing provide the basis for inviting entering freshmen to participate in the program. Invitations to other students result from high academic performance at Southern Illinois University. Participants retain the prerogatives of President's Scholars throughout their undergraduate years as long as they meet minimum standards of academic performance and fulfill other limited conditions. Participation in the President's Scholar Program is inscribed in the student's official record.

Inquiries about the program should be addressed to the director, President's Scholar Program.

Transportation Institute

MELVIN HANSON, *Acting Director*

The Transportation Institute has been established to meet the growing need for specially educated men and women in the transportation and logistics field. Short courses of a continuing educational nature are offered periodically throughout the school year for personnel in or associated with the transportation industry as well as for students and faculty. Courses in transportation and logistics are sponsored in cooperation with other activities of the University in both undergraduate and graduate degree programs.

STUDENT SERVICES

Southern Illinois University recognizes the importance of providing students every opportunity to benefit in the fullest manner from their college experiences and is concerned with an integrated approach to student needs and problems. Students may learn more about these services throughout the University by reading publications such as the Handbook for Students or the Handbook for Married and Graduate Students or publications describing specific services as listed elsewhere in this catalog. It is the student's responsibility to seek these services and to use these facilities according to his needs.

Bus Transportation

Both intracampus and intercampus bus service is available to students. A free intercampus bus service operates daily between Carbondale and the Vocational-Technical Institute. In cooperation with a private company, the University provides a daily intracampus bus service.

Center for English as a Second Language

The Center for English as a Second Language is staffed by especially trained members of the University faculty and designed to teach English to students from other countries who intend to study in American colleges and universities. The program is open, however, to anyone wanting to learn English.

Cooperative Clinical Services

The Cooperative Clinical Services Center is a coordinated center of professional services on the campus. These services are not only available to students, but to children, adolescents, and adults not affiliated with the University.

Counseling and Testing Center

Counseling services for students offered by the center range from discussions with students concerning educational or vocational plans to working with students who have personal, social, or emotional problems.

The center personnel also administer tests ranging from preadmission tests to graduate school examinations. Preprofessional examinations and other types of aptitude interest and proficiency examinations are also given to students.

Dean of Students Office

The Dean of Students coordinates the student services offered by the units under his jurisdiction—the Counseling and Testing Center, the Housing Business Services Office, and the Student Activities Office.

The Dean of Students Office is decentralized with each major living area on campus having its own Assistant Dean of Students. For those students not living in University residence halls there is an Assistant Dean of Students for Commuter, Married, and Graduate Students and an Assistant Dean for Off-Campus Single Students. The Area Deans, the nomenclature attached to this group of administrators, work closely with other areas of the Dean of Students Office and with other services and faculty in planning and implementing an integrated program of activities and services for students.

The Dean of Students also works closely with student government in the development of policies concerning students and the student code. All students should be cognizant of University requirements and regulations which can be found in the Handbook for Students.

Financial Assistance

The University has an excellent program administered by the Student Work and Financial Assistance Office whereby a student may combine student work with financial assistance to defray a large part of his educational expenses. Student job diversity extends from unskilled entry jobs to those jobs requiring college training. Employment opportunities for students exist in every unit of the University. In addition to student work, scholarships, grants, loans, and other aids are available to assist academically capable, financially needy students.

Information regarding employment opportunities for the non-student spouse is available at the Commuter, Married, and Graduate Students Office.

Handicapped Student Services

This office coordinates special services on the campus for handicapped students and works with the Vocational Rehabilitation Association and the Illinois Division of Vocational Rehabilitation and other agencies concerned with grants and other assistance to the handicapped.

Health Service

Facilities of the Health Service include an outpatient clinic, infirmary, pharmacy, laboratory, X-ray facilities, and an emergency vehicle service. Students who pay the full activity fee are entitled to all benefits provided by the Health Service except drugs, which the student may purchase at cost.

The University sponsors a voluntary hospital insurance program for all students who pay activity fees.

Housing

Description and Regulations

Because of the relationship between the student's living environment and his progress towards attainment of his educational goals, the University provides some on-campus housing for its students and seeks continually to influence both the availability and quality of off-campus housing. The basic student housing policy for single undergraduate students is as follows:

Single undergraduate students not residing with their parents or guardians will be permitted to reside only in those accommodations which have been and which continue to be classified as Accepted Living Centers. The administration vigorously encourages that all accommodations used by graduate students and married undergraduates meet the same minimal standards.

Housing Business Services

Applications and contracts for all University facilities, including family housing, are handled by this office. In addition, this office is also responsible for all fiscal matters and maintenance aspects of University housing.

Housing Information Office

Information concerning the price and availability of both on- and off-campus housing is available to students through this office.

The office keeps listings of inspections and classifications of off-campus rental facilities and information about University residence halls.

Married Student Housing

University housing for married students includes furnished one-bedroom, two-bedroom, and three-bedroom apartments, a trailer court, and two-bedroom and three-bedroom apartments equipped only with electric ranges and refrigerators. Inquiries regarding these units should be addressed to the Housing Business Services Office.

The Office of Commuter, Married, and Graduate Students provides a listing of private rental facilities which are rented only to married and graduate students.

Off-Campus Housing for Single Students

In order for living accommodations to be classified as Accepted Living Centers, facilities must meet certain safety, sanitation, health, recreation, and supervisory standards. Owners of off-campus housing facilities use the University's contract form for student rental housing. The Off-Campus Student's Office provides a listing of private rental facilities.

University Housing for Single Students

Applications for University housing for students for any academic year may be filed after September 1 of the preceding year. Assignments of space and contracts for housing are offered on the basis of the date of

admission to the University and are available from the Housing Business Services Office.

Students enrolled in the Aviation Technology program of the Vocational-Technical Institute should request housing on the campus. Although it is a VTI program, most students enrolled in Aviation Technology will have no classes on the VTI campus and the airport is more accessible from Carbondale.

Information and Scheduling Center

This office coordinates services that provide general information and referral, general scheduling of University premises and facilities, campus tours, and the reception of parents, guests, and visitors to the Carbondale campus. It serves as an outlet for the distribution of event calendars, maps, general informational publications; as a center for special campus programs such as the annual fund drives, the issuance of courtesy cards, and the publication of the annual University facts brochure.

International Student Services

This office attends to the special needs of students from abroad by assisting them with matters of immigration, passport problems, contacts with sponsors, foundations, agencies, governments, and matters of financial and personal urgency.

National Service Information

A national service information officer is available in the Office of the Dean of Students to supply factual, up-to-date information about Selective Service and opportunities in such national service programs as the Peace Corps, Teacher Corps, and VISTA.

Placement Service

This office assists students, graduates, and others who have been attending the University who desire to find employment. It also serves employers by helping them locate personnel. Services are free to candidates seeking positions, as well as to employers.

Reading Center

The Reading Center maintains a College Reading Service section to provide services for all students who desire to increase their speed and comprehension skills or need general assistance with reading or studying skills.

Registrar's Office

The Registrar's Office performs a number of student services while engaged in its major functions of admitting and registering students and maintaining their academic records. The admissions office issues form I-20's for international students and early release letters for servicemen

2 / Academic Requirements and Procedures

Admission Policies, Requirements, and Procedures

IN ORDER TO attend classes at Southern Illinois University, one must gain official admission to the University and must complete the enrollment process, which includes advisement, registration and payment of fees.

Applications for admission to the University are accepted any time during the calendar year but should be initiated in ample time to permit the necessary work of processing to be completed.

Admission of Freshmen

To be eligible for admission a person must be either a graduate of a recognized high school (graduates of non-recognized high schools may be admitted by the Director of Admissions by examination), or must have passed the General Educational Development Test. A person seeking admission through the latter procedure will be considered only after his high school class would have graduated.

In-state high school graduates who rank in the upper half of their graduating class based upon class rank or by score on the University entrance examination are eligible for admission to any quarter. Graduates who rank in the lower half of their graduating class are admissible to the summer quarter on a conditional basis.

Out-of-state high school graduates who rank in the upper forty percent of their graduating class based upon class rank or by score on the University entrance examination are eligible for admission to any quarter. Out-of-state high school graduates who rank in the upper half of their graduating class, but not the upper forty percent, are admissible to the summer quarter on a conditional basis.

Both in-state and out-of-state students admitted to a summer quarter on a conditional basis can qualify for fall quarter attendance by carrying a minimum academic load of eight quarter hours and completing them with at least a *C* average. Otherwise, the next earliest time that they might enter will be the following summer and under the same conditions.

Students meeting the standards making them eligible for admission to any quarter will be considered for admission after completion of the sixth semester of high school. Students who do not meet these standards will be considered for summer quarter admission.

University entrance examination scores must be furnished by students prior to their being admitted to the University. Currently the ACT (American College Testing Program) is the required test.

All admissions granted students while in high school are subject to the completion of high school work and maintenance of rank upon which the admission was made.

A student entering the University as a freshman is enrolled in the

General Studies Division unless he is being admitted to the Vocational-Technical Institute.

Admission of Transfer Students

For academic purposes an undergraduate applicant for admission to Southern Illinois University is considered to be a new freshman provided he presents fewer than twelve quarter hours of graded work for transfer consideration, otherwise he is considered to be a transfer student.

Students applying as undergraduate transfer students from four-year institutions are admissible to any quarter provided they had a 3.00 grade point average at the institution of last attendance. Students who do not have a 3.00 grade point average at the institution of last attendance but are eligible to continue at that institution will be considered for admission on probation for summer, winter and spring quarters. Those who are not eligible to continue at their last institution will be considered for admission on probation for the summer and spring quarters provided there has been an interruption of schooling of at least two quarters duration and there is tangible evidence that additional education can be successfully completed by the student.

In the event a student has attended more than one institution, the institution of last attendance is considered to be the one last attended on a full-time basis for at least one quarter or semester. Twelve hours is considered as full-time for this purpose.

Students applying for admission from two-year institutions are subject to the same conditions specified above for transfer from four-year institutions. However, a student who did not meet the University's admission requirements to enter as a freshman from high school during the regular year and who elected to enter a two-year institution will not be considered for admission as a transfer student until he has completed one year of attendance at the two-year institution as a full-time student. This means an academic year or 36 quarter or 24 semester hours. Also, students who have graduated with an associate degree in a baccalaureate-oriented program from a two-year institution may enter Southern Illinois University any quarter without regard to their average provided they have not taken additional college-parallel work since their graduation. If they have, their admission will be considered from the same standpoint as a student transferring from a four-year institution.

Students applying for admission to the University to pursue baccalaureate programs from programs not so oriented will be considered for admission as follows: (1) students from regionally accredited institutions will be considered on the basis of their conformity to the University's normal transfer admission standards, and (2) students who have completed a two-year or equivalent program with a *C* average in an institution which has not been accredited by a regional accrediting association will be admitted if the institution is (a) one falling within the normal purview of a regional accrediting association or (b) one recognized by an accrediting body which itself is recognized by the National Commission on Accrediting or the U. S. Office of Education. Students who have attended institutions as outlined in (2) above and who have not completed two-year programs or equivalent or who have less than a *C* average are considered for admission as entering freshmen.

Transfer students who have been suspended for any reason other than academic failure must be cleared by the Dean of Students office before admission will be granted by the Director of Admissions.

Transfer credit from baccalaureate programs is evaluated for acceptance towards University and General Studies requirements by the Registrar's Office after the admission decision has been made. The evaluation toward satisfaction of specific curriculum requirements is done by the department or agency directing the specific curriculum. General principles governing the acceptance of transfer work are as follows:

1. All transfer work is entered on the student's official record of academic work maintained in the Registrar's Office and continues to be applied to the student's total academic record.

2. Not more than one-fourth of the work accepted from each institution for application towards the number needed for graduation may be of *D* quality. Any *D* work not so accepted, however, may be used to satisfy general University, academic unit, or specific program course requirements when applicable.

3. Credit transferred on or after June 1, 1967, from an accredited two-year institution is limited only by the provision that the student must earn the last 96 quarter hours required for the degree at Southern Illinois University or at any other approved four-year institution, except that the student must meet the residence requirement for a degree from the University. These requirements can be found elsewhere in this catalog. Conditions governing the acceptance of credit from four-year higher educational institutions also apply to acceptance of credit from two-year institutions.

Further information on the application of transfer work towards satisfying General Studies and graduation requirements may be found elsewhere in this catalog.

Transfer credit evaluation from educational programs not baccalaureate oriented and to be applied to baccalaureate programs will be subject to the general conditions listed above and to the additional following points:

1. Credit presented by students who have completed associate or equivalent programs with a *C* or better average in regionally accredited institutions will be evaluated. Applicable credit will be posted to the students' educational record cards without condition.

2. Credit presented from regionally accredited institutions when the students have not completed associate or equivalent programs, or who have less than a *C* average, will be evaluated so that the students may receive advice regarding registration and remaining requirements, but the credit will not be posted to the students' educational record cards until they have established a *C* average in their first 36 calculated quarter hours at the University.

3. Credit presented from institutions not regionally accredited but which fall within the normal purview of regional accrediting associations or from institutions recognized by accrediting bodies recognized by the National Commission on Accrediting or the U. S. Office of Education will be evaluated as in point 2 above provided the student has completed a two-year program or its equivalent. Otherwise no credit will be considered for transfer.

Transfer students from baccalaureate programs presenting fewer than 64 quarter hours of acceptable work will be enrolled in the General Studies Division as will those with 64 to 90 hours whose areas of concentration are not yet determined. Others will be enrolled in the appropriate upper division academic unit in keeping with their expressed educational objective. Transfer students admitted to V.T.I. will be enrolled in that academic unit.

Transfer students from non-baccalaureate programs will ordinarily be placed in the upper division unit in which they plan to continue their studies.

Admission of International Students

In general, international students must meet the same academic standards for admission as those required of native students. As there is considerable variation between educational systems throughout the world, precise comparative standards are not always available. Therefore, international students are selected upon the basis of the excellence of their former academic work, personal recommendations of former teachers and colleagues, the judgment of the University as to whether it has academic programs of benefit to the student, and the student's financial arrangement for his support during the normal period of time required to reach the objectives of his study. Undergraduates who have had previous schooling in the United States are required to submit scores from the American College Testing Program examinations if they have accumulated less than one full year of college credit.

International students interested in making application to the Carbondale Campus of Southern Illinois University should address their inquiries to the Admissions Office. At that time they will receive a copy of the *Information for Prospective International Students* booklet which outlines in greater detail information about the University and admissions procedures of particular interest to international students.

Admission of Former Students

A former student of Southern Illinois University not in attendance on a campus of the University at the close of the quarter preceding application for admission must apply to the Admissions Office for re-entrance prior to registration.

A former student who is not in good standing must clear his status before the Admissions Office will prepare his registration permit. It is advisable for such student to initiate re-entrance clearance with the Admissions Office early so that all inquiries may be answered and so that the applicant can find time to complete any requirements that may be imposed upon him. (See Scholastic Probation and Suspension System elsewhere in this bulletin for further information.)

Applying for Admission

A student may start his admission process at any time. High school students who rank sufficiently high to be eligible for admission to any quarter are urged to initiate action during their seventh semester in high school. Others may apply at that time but decision will be delayed until after the end of the seventh semester. Transfer students should initiate the process during the last semester or quarter of attendance at the previous school if they plan to transfer without interruption. Students who delay their admission processing until the start of the quarter which they wish to enter, while they will be admitted if eligible, are subject to late registration fees and may be confronted with having to accept less desirable class schedules than would otherwise be the case.

The admission process is started by writing the Admissions Office, Southern Illinois University, Carbondale, Illinois 62901, indicating a desire to apply and requesting admission materials. The materials that are sent contain the application and related forms that need to be com-

pleted along with procedural instructions. Information is also included relative to housing and financial assistance.

Documents Required for Admission

Among the items required by the University before admission is completed are the following:

1. The completed application form from the student.
2. Transcripts of previous educational experience. For the high school student the request is for two copies of the high school transcript. For the transfer student the request is for an official transcript from each institution previously attended sent directly to this University from the previously attended school. In addition, transfer students presenting fewer than 42 quarter hours (28 semester hours) of completed work must provide to the University a copy of their high school transcript.
3. University entrance examination scores. All students applying for admission directly from high school and all transfer students who have completed fewer than 42 quarter hours (28 semester hours) must have their official ACT scores sent to the University from the American College Testing Program, Box 451, Iowa City, Iowa 52240.
4. Physical examination form. Each new student admitted as a full-time undergraduate student is requested to have a physical examination performed by a private physician recorded on the form provided by the University. This must be done prior to registration in the University. The completed form is to be sent directly to the University Health Service. In case of a religious belief which is in conflict with the plan, special arrangements may be made with the director of the University Health Service.

Applications for housing and financial assistance are separate from the admission process and directions relating thereto are contained in the brochures on these subjects which the students receive when they request admission materials.

Orientation, Advisement, Registration

Through a carefully designed system of orientation, academic advisement, and registration the University attempts to assure entering students an efficient and effective introduction to the University prior to the time they start class attendance. A more extensive program is provided for those students entering during the fall quarter while abbreviated activities are in operation for the other quarters.

For many years the University has used an advance registration system through which all continuing students and most new students are expected to be academically advised and registered for a quarter well before its actual start. The advance registration period for fall quarters ordinarily runs from the middle of April through the end of May and then from the early part of July to the latter part of August.

During the July–August period three days each week are set aside for new freshman and transfer student orientation, advisement, and registration. Students are invited to have their parents accompany them so that they too may obtain a better understanding of the University and its operation than might otherwise be the case. The orientation program on these days is of necessity an introductory type in which questions about admission, housing, financial assistance, etc., can be answered. Later, at

the start of the fall quarter new students participate in three days of orientation activities during which time they receive a well rounded introduction to university life.

Starting in May and extending through June the University's Admissions Office contacts new students admitted to arrange appointment dates for them to come to the campus. Through this process only the number of students that can be efficiently handled are involved each day. Students who cannot come to the campus during the summer or who delay applying for admission beyond the advance registration period may register at the start of the fall quarter but are required to come to campus a few days before those who have registered during the summer period. New students who have not been advised and registered by the time the student orientation period starts at the beginning of the fall quarter are considered to be late registrants and are subject to a late fee payment.

Similar procedures are followed at the start of each of the other quarters. Admitted students are kept informed of orientation, advisement, registration procedures, and the times when they occur by the Admissions Office in cooperation with the Student Activities Office. The latter office is the University's administrative agency that assists the large number of volunteer students who actually operate the New Student Days activities at the start of each quarter.

Academic Advisement

Academic advisement is administered by the academic units. Each unit employs a selected group of trained advisers devoting part-time directly to this function. They operate under the supervision of a chief adviser who is responsible to the dean of the academic unit.

The University accepts the importance of the academic advisement function. Insistence on receipt of transcripts and ACT scores prior to admission serves not only to determine admission but later provides suitable educational information to the advisers upon which decisions can be made relative to the proper courses to advise the students to take. On the basis of this information the advisers can make intelligent decisions relative to students who should receive advanced standing in courses or who should be urged to take proficiency examinations in courses about which they appear to be already well informed.

Registration

Registration for any session of the University is contingent upon being eligible for registration. Thus an advance registration, including the payment of tuition and fees, is considered to be invalid if the student is later declared to be ineligible to register due to scholastic reasons. The enrollee may also be considered ineligible to register because of financial or disciplinary reasons if this is certified to the registrar by the appropriate University office.

Detailed information about the dates and procedures for advisement and registration appears in each quarter's Schedule of Classes, which is available from Central Publications.

There are several basic principles governing registration for classes as follows:

1. Students are officially registered only for those courses which appear on their schedule of classes. Changes therefrom can be made only through the processing of an official program change.

2. Registration ends at the close of the first week of school. This includes the registration into new courses or the changing of sections through the program change process.
3. A student may not drop a course merely by stopping attendance. To do so results in an ABS grade. A course may be dropped through the program change route through the first four weeks without a letter grade being assigned. Thereafter, a passing or failing grade will be assigned in keeping with the student's status at the time of withdrawal.
4. There is a terminal date near the end of each quarter after which program changes or withdrawal from school are not permitted except under exceptional conditions. This date is usually two weeks before final examinations begin. The specific date appears in each quarter's Schedule of Classes.

Withdrawal from the University

A student who finds it necessary to withdraw from the University after school has started and he is on campus should contact the Registrar's Office in person to initiate the withdrawal process. If he is unable to come to campus he may write the Dean of Students office asking that they process a withdrawal for him.

A student who advance registers, including the paying of fees, and who then finds that he cannot attend school must process an official withdrawal the same as do those who withdraw after school starts. In this case the process is the same as outlined in the paragraph above. A student who advance registers but does not clear his fees by the announced deadline date is automatically cancelled.

Refer to the section *Payment and Refunding of Fees* later in this chapter for information about the refunding of tuition and fees when withdrawing from the University.

Tuition and Fees

The types and amounts of tuition and fees charged students are established by the Board of Trustees and are subject to change whenever conditions make changes necessary. Listed below are the tuition and fees that are currently assessed a student per quarter:

	Not more than 5 hrs.	More than 5, less than 11	11 or more
Tuition Fee—Illinois Resident .	\$22.00	\$45.00	\$67.00
Tuition Fee—Out of State			
Resident	(80.00)	(160.00)	(240.00)
Student Welfare and Recreation			
Building Trust Fund Fee ...	5.00	10.00	15.00
Athletic Fee	3.00	6.50	10.00
Book Rental Fee	3.00	6.00	8.00
Student Activity Fee	3.50	7.00	10.50
University Center Fee	5.00	5.00	5.00
<i>Total</i> —Illinois Resident	\$41.50	\$79.50	\$115.50
<i>Total</i> —Out of State Resident ..	(99.50)	(194.50)	(288.50)

In addition to the above fees, a student is subject to certain other charges under the conditions listed below:

1. A late registration fee, which is \$2.00 for the first day and which increases \$1.00 each day to a maximum of \$5.00 when a student registers after the regular registration period has ended.

2. A \$2.00 program change charge whenever a student changes his program from the one for which he originally registered, unless the change is made for the convenience of the University.

3. A graduation fee of \$17.00.

Students holding valid state scholarships are exempt from the above tuition and fees to the extent provided by the terms of the specific scholarship held. An Illinois State Scholarship may cover all tuition and fees (excluding late fees or program change fees) or the scholarship may be a partial award. Also, honorary scholarships, which have no monetary value, may be awarded. An Illinois State Teacher Education Scholarship, an Illinois Military Scholarship, an Illinois General Assembly Scholarship, or an Illinois County Scholarship exempts the student from the paying of tuition, the student activity fee, and the graduation fee.

The student activity fee includes the fees for limited hospitalization, entertainment, athletics, student publications, and other privileges.

Faculty members and university civil service employees taking courses are not charged tuition and activity fees. However, they pay all other appropriate fees. A civil service employee claiming this fee remission must receive approval of his department head and Director of the Personnel Office prior to enrolling for courses.

Extension course fees are \$6.00 per hour plus a \$1.05 book rental fee per course. The book rental fee is charged undergraduate students only.

Adult education course fees are computed on the basis of approximately sixty cents per contact hour.

Other charges which a student may incur are those for departmental field trips, library fines, and excess breakage. Also, a student taking a course involving use of materials, as distinct from equipment, will ordinarily pay for such materials.

A student registering for courses on an audit basis pays the same tuition and fees as though he were registering for the courses for credit.

A student is entitled to a free transcript of his university record each time he has added academically to his record through work taken at this University, provided he has fulfilled all his financial obligations to the University. There is a charge of \$1.00 for each additional transcript.

PAYMENT AND REFUNDING OF FEES

Fees are payable quarterly during the academic year. A student who registers in advance receives a fee statement and may pay either by mail or in person at the Bursar's Office, by the deadline date, in accordance with instructions accompanying the fee statement. Otherwise his advance registration is cancelled and he must register again later. A student who registers at the start of a quarter must pay fees at the time of registration.

A refund of fees will be made to a student who officially withdraws from school within the first two weeks of the quarter. If the student withdraws in person, he will receive an immediate cash refund. If he withdraws by mail, he will receive a refund by check in approximately four weeks after the withdrawal has been received by the Registrar's Office. No refunding of fees is made for a withdrawal occurring after the first two weeks, except as described in the next paragraph. The specific dead-

line dates for each quarter appears in that quarter's Schedule of Classes.

Special consideration is extended to individuals who leave school for extended military service (6 months or longer). A person will be refunded full tuition and fees paid if he enters military service during the first four weeks of school. If the student withdraws during the fifth through eighth week of school, he will be refunded half of the paid tuition and fees, and he will receive one-half credit without letter grades for the courses in which he was receiving a passing grade at the time of withdrawal. When the withdrawal occurs after the eighth week, the student will receive no refund, but will receive both grades and credit hours for the courses in which he is enrolled. In all instances, a copy of the military orders or a letter from the commanding officer is required for verification of impending military service. To be eligible for these benefits the student must remain in school to within ten days of his military reporting date.

A student who processes a program change which places him in a different tuition and fee category than the one for which he originally registered will be billed additional tuition and fees when appropriate. If the change places him in a smaller tuition and fee category and if he has processed the program change within the first two weeks of the quarter, he should make application for a refund at the Registrar's Office after the fourth week of the quarter. Mail requests for a refund will be honored.

Student Residency Regulations

Regulations defining the residence of students for purposes of registration in Southern Illinois University are as follows:

1. Evidence showing the residence of every applicant for admission to the University must be submitted to the Registrar at the time of application for admission, and resident or nonresident fees shall be assessed on the basis of evidence appearing in the Registrar's records.

2. In all cases where the records indicate that the student's home is outside the state of Illinois, the nonresident fee shall be assessed. A student who takes exception to the ruling may file a claim for a refund, but this must be submitted to the Registrar within 10 days of the opening date of the quarter for which the charge was made.

3. In the case of a student who is a minor, the residence of the parent, or if the student has no parent, the guardian of this person, shall govern unless there is proven to have been complete emancipation of the minor from his parents or guardian and he has established residence in the state of Illinois.

4. Any student, adult or minor, whose parents have established a bona fide residence in the state of Illinois will be regarded as a resident for registration purposes; except that an adult student who has established a residence on his own account outside of the state must conform to the terms set forth in regulation 6 to be classified as a resident.

5. A wife is classified as a resident for registration purposes if her husband is a bona fide resident of the state of Illinois preceding and at the time of her registration.

6. An adult student, whose parents are deceased or whose parents reside outside the state, to be considered a resident of Illinois for purposes of registration must be a bona fide resident of the state for three months preceding the beginning of any quarter for which he registers at the Uni-

versity and must present evidence that he is self-sustaining and not under parental control.

7. An adult alien who holds valid immigration papers and is in the United States under an immigrant-type visa may qualify as a resident of the state for purposes of registration in the University if he has lived within the state for at least a period of twelve months next preceding the beginning of any quarter for which he registers at the University, subject to the provisions of rules 4 and 6.

8. Several factors will be considered in the determination of each individual case. Among the factors to be considered will be (a) location of draft board registration, (b) voting address, if any, (c) the degree of self-support of the student, (d) location of summer or vacation employment.

9. All cases of appeal shall first be referred to the Legal Counsel of the University. An appeal from the Legal Counsel shall be in accordance with University statutes.

Note: In the above regulations an adult student is considered to be a male at least 21 years of age or a female at least 18 years of age.

Grading System

Grades are expressed in letters as follows:

	GRADE POINTS PER HOUR
A, Excellent	5
B, Good	4
C, Satisfactory (this is intended to be the average grade)	3
D, Poor, but passing	2
E, Failure	1
P, Pass. Hours earned apply towards graduation but do not affect student grade point average. Used only in Pass-Fail system. See Special Grading System this catalog.	
F, Fail. Hours do not apply towards graduation and do not affect student grade point average. Used only in Pass-Fail system. See Special Grading System this catalog.	
W, Authorized withdrawal with no basis for evaluation established. Work may not be completed. Approved grading symbol only on graduate level except for unusual circumstances where an academic unit dean recommends a change in grade from ABS to W for an undergraduate student.	
WP, Authorized withdrawal with passing grade.	
WE, Authorized withdrawal with failing grade. Counts same as an E for grade average purposes.	
WF, Withdrawal with failing grade. Does not affect student's grade point averages. Authorized grade only for students taking courses on Pass-Fail basis. See Special Grading System this catalog.	
INC, Incomplete. Has permission of instructor to be completed.	
DEF, Deferred. Used only for graduate courses of an in-	

dividual, continuing nature such as thesis or research.

PR, Work in progress. Grade is not included in grade point average. Final grade will be assigned at conclusion of instructional period.

ABS, Unauthorized withdrawal. Counts same as an *E* for grade average purposes.

S, Satisfactory. Used for noncredit courses. Effective Fall, 1970, the *S* and *U* grades will be used for the grading of thesis and dissertation credit on the graduate level.

U, Unsatisfactory. Used for noncredit courses.

AU, Audit. No grade or credit earned.

A grade given at the end of a course is final and may not be raised by additional work.

The grades of *A*, *B*, *C*, *D*, *E*, *WE*, and *ABS* are included in determining student grade point averages.

Authorized course withdrawals made through the program change process do not receive grades when made during the first four weeks of a quarter. Thereafter, authorized withdrawals receive WP for withdrawal with a passing grade, WE for withdrawal with a failing grade, or W (for graduate students only) when no basis for evaluation has been established. The grade of WF is used in lieu of WE when a student withdraws from a course for which he registered on the Pass-Fail system.

A *DEF* grade for course work of an individual nature such as research, thesis, or dissertation is changed to a completed grade when the project has been completed.

The grades of *S* and *U* are used to indicate satisfactory or unsatisfactory completion of a noncredit course.

A student registering for a course on an *audit* basis receives no letter grade and no credit. An auditor's registration card must be marked accordingly, and he pays the same fees as though he were registering for credit. He is expected to attend regularly and is to determine from the instructor the amount of work expected of him. If an auditing student does not attend regularly, the instructor may determine that the student should not have the audited course placed on his record card maintained in the Registrar's Office. A student registering for a course for audit or credit may change to a credit status or vice versa through the official program change method during the first four weeks of a quarter. Thereafter the change may not be made.

The official record of a student's academic work is maintained in the Registrar's Office.

Unauthorized course withdrawals which are made through failure of the students to continue in attendance receive a grade of *ABS*. An *ABS* grade for a student may be changed to a *W* in unusual circumstances upon the recommendation of the head of the student's academic unit.

An *INC* grade may be changed to a completed grade within a time period to be designated by the instructor, not to exceed one year from the close of the quarter in which the course was taken; otherwise it remains as *INC* and is not included in grade point computation.

Courses in which *D*'s or *E*'s were received may be repeated and the last grade will be used in computing the student's grade point average. The repeating of a course does not remove the previous grade from the stu-

dent's official academic record card. In following this system, the University is not committed to continue courses in effect in order that students may always repeat courses.

Special Grading System

Effective with the 1968 fall quarter and for a two-year experimental period thereafter, the various undergraduate academic units at their discretion permitted their students to take a limited amount of course work on a Pass-Fail basis rather than on the regular letter grade basis. The experiences of the two-year period will determine whether this system will be continued beyond the 1970 spring quarter. It is considered likely that the system will continue or be expanded after 1970, but the determination was not made before publication of this catalog.

The purpose of the Pass-Fail grading system is to encourage students to broaden their education by undertaking intellectual exploration in elective courses outside their area of specialization without having to engage in grade competition with students specializing in those courses.

The present Pass-Fail grading system is governed by the following conditions:

1. A student with a 3.25 overall grade point average may participate in the College of Liberal Arts and Sciences' program with the permission of his academic unit or in his own academic unit's program if and when established.

2. A student may apply a maximum of 16 quarter hours of Pass credit towards graduation with no more than 8 quarter hours in any one department.

3. The Pass-Fail option is applicable only for elective courses in a student's program. He may not use it for courses satisfying General Studies, or concentration requirements. Should he later change his concentration, work previously taken on a Pass-Fail basis may, with concurrence of the department, be used in fulfillment of the requirements in the newly selected concentration.

4. Pass-Fail courses on the 300 and 400 level count towards satisfying the 64 quarter hours requirement in senior college courses.

5. Hours earned in Pass work will be added to a student's total hours passed but will have no effect on his grade point average. Unsuccessful completion of a course taken on the Pass-Fail basis will result in a *F* grade being recorded on the student's academic record card but will have no effect on his grade point average.

6. A student may change his course registration status from a Pass-Fail to a regular grading point and vice-versa during the first four weeks of a quarter only.

7. Each academic unit participating in the Pass-Fail system has a listing of courses in which registration is permitted on a Pass-Fail basis.

Scholastic Standing

The matter of scholastic standing is quite often of importance to a student both while in school and later when he presents a transcript of his educational record in support of his application for employment or additional schooling.

At the end of each quarter of his attendance a grade report is prepared

for each student showing, in addition to the grades earned that quarter, what his scholastic standing is and what his grade point average is for the quarter, and for his over-all record. It is important that a student understands the University's system for computing grade point averages and the various grade point average requirements.

The University computes a student's grade point average in two ways: (1) for his work taken at Southern, and (2) for his total work. These two averages will be the same for the student who has taken collegiate work only at Southern but the transfer student will have two grade point averages with one being his Southern only average and the other being his overall grade point average which covers his total collegiate level work.

The significance of the above should be clearly understood by the transfer student when studying the general baccalaureate degree requirements. A 3.00 (C) average is required for both the work taken at the University and for the overall collegiate work. This same 3.00 (C) average requirement prevails for the student's area of concentration in that he must have that average both for the work which he takes in his concentration at Southern and for the total work taken in the concentration. In addition, a transfer student may be placed on scholastic probation or may be scholastically suspended either for the record he has accumulated at the University or for his overall record.

In computing a student's grade point average all grades of *A*, *B*, *C*, *D*, *E*, *WE*, and *ABS* are included in determining the number of *calculated* hours. Corresponding grading symbols from other institutions are included in the same way. Each hour of these grades (1 hour of *A* is worth 5 grade points) is given its numerical grade points, and the total number of calculated hours is then divided into the total number of grade points to determine the student's grade point average. In the case of repeated courses only the hours of the last course and its grade are used except in those rare cases when the number of hours of a repeated course has been reduced since it was originally taken. In that case the repeated work affects only that number of hours of the originally taken work. For example, a student might take a four hour course and receive an *E*. He would then repeat the course but before he does the course might be reduced to a three hour course. If he then received a *C*, this would remove the effect of only 3 hours of the previous *E* work. The 1 hour of *E* would continue to affect the student's grade point average.

Class Standing

Southern Illinois University requires a student to earn 192 quarter hours of acceptable credit in order to receive a baccalaureate degree. For academic classification purposes a freshman is a student who has completed fewer than 42 hours; a sophomore, from 42 through 89; a junior, from 90 through 137; and a senior, 138 or more.

University Recognition of High Scholastic Achievement

In recognition of high scholarship, a Scholastic Honors Day convocation is held each spring. A candidate for a bachelor's degree in June or August who has maintained a grade point average of 4.25 or more for all of his work through the winter quarter of his senior year receives special honor. Each junior having a 4.25 grade point average and each sophomore and freshman having a 4.50 grade point average is also honored at the con-

vocation. Except in the case of a graduating senior, a student must be attending full time to be eligible. A transfer student must have earned the average indicated for work at Southern Illinois University only, as well as for the total record.

Graduating students with scholastic averages of 4.90 or higher receive University highest honors; those with 4.75–4.89 averages receive University high honors; and those with 4.50–4.74 graduate with University honors. This is recorded on the commencement program, on the student's academic record card, and on his diploma.

Successful participation in all-campus honors programs which requires maintenance of appropriate minimal scholastic standards, such as the President's Scholars, receives recognition by notation on the student's academic record and on the diploma. Honors courses, individual honors work, and honors curricula, all designed to serve students with high scholastic potential, are offered by the School of Home Economics and by departments in the School of Agriculture and the College of Liberal Arts and Sciences. A departmental or unit honors program consists of no fewer than 9 nor more than 21 quarter hours in research or independent study which is counted toward the student concentration. Some honors programs require a comprehensive examination at the end of the junior year and again at the end of the senior year. Grades may be deferred at the end of the first and second quarters, but not from one school year to the next.

A variety of professional, departmental, and fraternal honorary organizations offer recognition and membership based upon scholastic achievement. Election or selection to most honoraries is noted at the Honors Day Convocation.

Scholastic Program Flexibility for the Student

Through various methods the University permits a student to develop flexibility in his college education so that he might follow a pattern different from that pursued by other students. The student who must interrupt his attendance on campus may find it possible to continue his educational training through extension or correspondence work.

Special Concentration

An individual student with academic needs not met in any of the existing concentrations within the University may arrange a program of courses more suited to his special requirements. See the description of the Special Concentration in Chapter 3.

High School Advanced Placement Program

Through the High School Advanced Placement Program a high school student who is qualified through registration in an advanced placement course in his high school or through other special educational experience may apply for advanced placement and college credit through the Advanced Placement Program of the College Entrance Examination Board, 475 Riverside Drive, New York, New York 10027. To receive credit, a person must earn the grade of 3, 4, or 5. Any interested high school student should write to the University's Admissions Office to learn the current listing of courses for which credit may be earned through this program.

Ordinarily, the maximum credit granted through advanced placement

examinations is 16 hours. It is nonresident credit, does not carry a grade, and is not used in computing the student's average grade. Credit granted at another accredited college or university under this plan is transferable to this University up to a maximum of 16 hours. A student may appeal to his academic dean to be granted more than 16 hours.

General Studies Advanced Standing Program

Through the general studies advanced standing system it is possible for a student presenting a combination of high ACT scores and high school course achievement to be eligible for advanced standing consideration. While credit is not granted for the courses in which the student receives advanced standing credit it does permit the student to take more advanced work in the same General Studies area or to move on to elective work of his own choosing. Other alternatives for flexibility are described in the section on General Studies requirements in this catalog.

Proficiency Examinations

Through its proficiency examination program the University recognizes the importance of providing encouragement for academically talented students. Such students are permitted to make application to demonstrate the mastery of certain courses through proficiency examinations. Application is available at the Registrar's Office.

The following general rules govern the proficiency examinations for undergraduate credit.

1. Any student who feels qualified to take a proficiency examination is eligible to do so; students scoring in the top ten percent of ACT are particularly encouraged to avail themselves of this opportunity.

2. Credit not to exceed 48 hours, including credit through the College Entrance Examination Board, Advanced Placement Program, may be earned through proficiency examinations. Credit will be nonresident.

3. Upon passing a proficiency examination in a course with a grade of *A* or *B* a student is granted course credit with grades and grade points appropriately recorded. His record will show the name of the course, the hours of credit granted, the grade earned, and a notation "credit granted by proficiency examination." The grade earned will count in the student's grade point average. Passing with a grade of *C* results in the student earning credit. His record will show the name of the course, the hours of credit granted, and a notation, "credit granted by proficiency examination." The grade earned will not be recorded and will not count in the student's grade point average. A grade of *D* or *E* on a proficiency examination results in no penalty to the student. He will not receive credit and his record will show nothing regarding the proficiency examination. However, the proficiency examination grade report form will be filed in the student's folder for reference purposes.

4. A student may not take a proficiency examination for the same course more than one time. Neither may he take a proficiency examination in a course in which he has previously received a grade.

5. No credit granted by proficiency examinations will be recorded until the student has earned at least 16 hours of credit of *C* grade or above in residence at Southern Illinois University.

Extension and Correspondence Credit

The University accepts credit earned through extension or correspondence programs towards the bachelor's degree. A maximum of 96 quarter hours

may be so earned. Of the total, not more than 48 quarter hours may be taken in correspondence work.

Southern Illinois University does offer a sizeable number of courses through its Extension Services. It does not operate a correspondence program. Correspondence work is accepted when taken from institutions which are regionally accredited if the grade is of *C* quality or better.

The University offers extension courses throughout Southern Illinois whenever (1) it is apparent that there is a need and potential enrollment to justify scheduling a class, (2) it is possible to obtain a faculty member to host the class, and (3) adequate laboratory and library facilities are available.

Three quarter-hour extension classes meet weekly for a period of twelve weeks, each meeting being two and one-half hours in length unless otherwise stated. Four quarter-hour extension classes meet weekly for twelve weeks with four extra meetings being arranged for by the instructor and the group. The 500-level courses meet for a total of twelve weeks with no extra meetings.

Registration in extension courses is permitted during the first and second class meetings. Students must have their social security numbers with them and a university identification number (if previously registered at Southern Illinois University) in order to register. Students are billed for tuition and fees after their registration information has been processed.

Tuition is \$6.00 per quarter hour of credit, and undergraduates must pay an additional \$1.05 textbook rental fee for each course taken by extension. Graduate students must purchase their books or make other arrangements. The instructor may require the purchase of additional books or other material. Scholarships issued by the State of Illinois, except the Illinois Military Scholarships are not usable for extension courses. Therefore, holders of such scholarships must pay tuition and, if they are undergraduate, the book rental fee unless they are enrolled full-time on campus, either Carbondale or Edwardsville. Illinois State Military Scholarships holders do not pay tuition for extension courses but must, if they are undergraduate, pay the textbook rental fee. Students attempting to waive tuition and textbook rental fee through other types of grants or waivers must provide verification of entitlement along with their registration materials or they need to indicate status and show that a record of their entitlement is on file in the Registrar's Office before the waiver can be permitted.

A person may enroll for extension work on an audit basis provided facilities are available. He must receive permission of the instructor to do so and he must pay the same tuition and fees as though he were registering for credit.

Credit for Military Experience

Students who have served one year or more of active duty and who have received an honorable discharge may receive 3 hours of aerospace credit, 3 hours of physical education credit, and 3 hours of health education credit. Service of six months to one year may result in 3 hours of freshman aerospace credit; less than six months of active service does not allow any college credit. Credits previously earned in college in these areas may result in reduced credit granted from that stated above.

Credit will be accepted for USAFI courses within the limitations enforced for extension and correspondence work. No credit is allowed for

college-level G.E.D. tests. In evaluating credit possibilities based upon formal service-school training programs, the recommendations of the American Council on Education as set forth in the U.S. Government bulletin, *Guide to the Evaluation of Educational Experiences in the Armed Forces*, are followed.

In order to receive credit for military service a veteran must present a copy of his discharge or separation papers to the Registrar's Office.

Scholastic Probation and Suspension System

A student is expected to make satisfactory progress toward a degree, certificate, or other approved objective in order to be eligible to continue attendance in the University. A student making a 3.000 average for a quarter is eligible to continue in attendance for the subsequent quarter.

To ensure that a student makes satisfactory progress towards his educational objective he is required to maintain both a 3.000 average on a quarter-to-quarter basis, and a progressively improving grade point average as he accumulates specified numbers of hours to his record. Otherwise, he will be placed in categories other than Good Standing and may be required to discontinue attendance at the University for a period of time. The provisions relative to scholastic good standing, probation, and suspension effective with the 1970 fall quarter are outlined below.

A student who is on Good Standing will be placed on Good Standing-Scholastic Warning at the end of any quarter in which he fails to make a 3.000 term average, and he has:

- a. Fewer than 90 hours calculated and a grade point average below 3.000.
- b. 90 but fewer than 138 hours calculated and a grade point average below 3.100.
- c. 138 or more calculated hours and a grade point average below 3.150.

A student on Good Standing-Scholastic Warning who fails to earn a 3.000 average for a quarter is placed on Scholastic Probation. A student who does earn a 3.000 or better quarter average will remain on Good Standing-Scholastic Warning until his grade point average meets the minimal requirements specified in a, b, or c, above.

A student on Scholastic Probation who fails to earn a 3.000 average for his next quarter of attendance is placed on Scholastic Suspension, and may be subject to suspension from the University for scholastic reasons. An exception to this rule shall prevail for those students in categories b and c above whose over-all grade averages have not fallen below the 3.000 averages. They will remain on Scholastic Probation until their averages rise above the minimal levels specified, in which case they will move to Good Standing. If their averages fall below 3.000 they will be placed on Scholastic Suspension. A student on Scholastic Probation will remain on Scholastic Probation so long as he continues to earn 3.000 or better quarter averages until such time as his over-all average moves above the minimal requirement as specified in a, b, or c, above, in which case he moves to Good Standing.

A transfer student is subject to the above averages as applied to his academic record earned only at this University and to his over-all academic record.

In addition to the above quarter-to-quarter scholastic requirements a student is expected to maintain a progressively improving accumulated

grade point average to ensure his making progress towards the 3.000 average required for graduation. To meet this requirement a student must meet the required grade point averages specified below according to the number of hours he has calculated at the end of a spring quarter. When a student earns less than a 3.000 average during a spring quarter he will be scholastically suspended from the University provided he has:

- a. 42 but fewer than 90 hours calculated and a grade point average below 2.600.
- b. 90 but fewer than 114 hours calculated and a grade point average below 2.700.
- c. 114 but fewer than 138 hours calculated and a grade point average below 2.800.
- d. 138 but fewer than 154 hours calculated and a grade point average below 2.900.
- e. 154 or more hours calculated and a grade point average below 2.950.

He may seek reinstatement after a minimum of two quarters interruption but must furnish tangible evidence that additional education can be successfully undertaken.

A student who earned a 3.000 average during a spring quarter but whose grade point average falls below the levels indicated above is placed on Scholastic Probation and is subject to the conditions governing while a student is on Scholastic Probation.

A transfer student is subject to the above averages as applied to his academic record earned only at this University and to his over-all academic record.

While on Scholastic Probation a student is subject to certain conditions that do not prevail when he is in Good Standing. These are as follows:

- a. He may not enroll for more than 14 hours per quarter unless approved to do so by the dean of his academic unit.
- b. He may not participate in extracurricular activities or hold a major office unless special permission is granted. Petitions for permission to do so are filed with the coordinator of the Student Activities Center.
- c. Other limitations may be established by the appropriate officials of the campus of the University which the student attends or by the academic unit within which the student is enrolled.

Graduation Procedures

The academic requirements for the various baccalaureate degrees are listed in Chapter 3. Presented here are the procedures that a student expecting to graduate must follow.

Every degree candidate *should* signify his intention to graduate by making application for graduation no later than the first week of his last quarter in attendance before the desired graduation date. Therefore, a person desiring to graduate in the June commencement who will be in school during the spring quarter should make application for graduation during the first week of the spring quarter. If he finishes his work during the preceding winter quarter, he should apply during the first week of the winter quarter. Similar arrangements should be followed by students completing their work during the fall quarter. The application forms are available in the Registrar's Office.

Every candidate for a degree *must* file written application with the Registrar's office not less than five weeks before the date on which the degree is to be granted. The application process includes the clearance of the graduation fee at the Bursar's Office prior to its filing with the Registrar's Office. He must order his cap and gown through the University Bookstore and should register with the Placement Service. A student must have a 3.00 grade point average before his application for graduation may be accepted.

In addition to completing the steps for application for graduation, the student is responsible for determining that he is meeting all graduation requirements and that he has no outstanding financial obligation to the University. To assure that a student is meeting the academic requirements, each academic unit provides a graduation check-up service through its academic advisement process, through which the satisfying of academic requirements can be verified. Even though the University does provide an academic check on graduating students, this is done primarily to be sure that it is graduating students who have met the requirements. The advising of the individual student as to his progress is a service provided him and does not relieve the student of his responsibility to make certain that he is meeting the requirements. Each student should check with his academic adviser as to the procedures he should follow in this matter as he approaches graduation.

Graduation exercises are held each year at the end of the spring and summer quarters. A student must attend commencement to graduate, unless he has obtained permission to be graduated *in absentia*. A student can request the latter either through the Registrar's Office or his dean.

The diploma is mailed to a student shortly after the commencement date. A student who has not satisfied all academic requirements will not be graduated even though he participates in the commencement exercises. Also, a student who has a financial obligation to the University will not receive his diploma or be entitled to transcripts until that obligation is satisfied.

The University has a Graduation Appeals Committee whose function it is to hear a student's petition to be permitted to graduate even though he has not satisfied all University graduation requirements. The committee hears only those cases involving University requirement. Appeal relative to a concentration or academic unit requirement is through the appropriate administrative official.

Ordinarily, the Graduation Appeals Committee will give consideration to an appeal only if there is tangible evidence that the matter at issue is of an unusual nature and that it has resulted due to conditions beyond control of the student. Appeal is initiated through the Registrar's Office.

Related Academic Information

Unit of Credit

Southern Illinois University operates on the quarter system. Therefore, references to hours of credit mean quarter hours rather than semester hours. One quarter hour of credit is equivalent to two-thirds of a semester hour. One quarter hour of credit represents the work done by a student in a lecture course attended fifty minutes per week for one quarter, and, in the case of laboratory and activity courses, the stated additional time.

Academic Load

The normal academic load for a student is 16 hours. The maximum is 18 hours.

A student with a 4.25 grade point average or above for the preceding quarter may be allowed by the head of his academic unit to take as many as 21 hours. In no case may a student carry, or be credited with, more than 21 hours in any quarter.

A student on scholastic probation may not take more than 14 hours without approval of the head of his academic unit. A student employed full-time may not register for more than 8 hours.

The question of what constitutes full-time attendance is one that is often asked but for which there is no single over-all answer. For enrollment reporting purposes, 12 or more quarter hours distinguishes between full- and part-time attendance. However, a number of situations call for different hourly classifications. For example, a student registered for 11 hours pays full tuition and fees. Also, a student attending the University under a scholarship, loan, or other type of program requiring full-time enrollment should check with the office administering the program to make certain that he is meeting the requirements of his specific program. For example, Public Law 358 (the new GI Bill) requires 14 hours on the undergraduate level for full time, 10 to 13 is considered three-quarter load, and 7 to 9 hours, half load. A student concerned with Selective Service on the undergraduate level needs to carry 12 hours to be considered full time. However, for Selective Service purposes, a student must also be making satisfactory progress. Therefore, he needs to accumulate 48 passing hours each year. Because of this, he must consider 12 hours as only a minimum load for full-time purposes with 16 hours per quarter as the average load he must maintain throughout the year. Further information on both Public Law 358 and Selective Service is available in the Registrar's Office.

3 / Academic Programs

DEGREES OFFERED

SOUTHERN ILLINOIS UNIVERSITY grants the following degrees.

Associate

Associate in Art
Associate in Business
Associate in Technology

Advanced

Master of Arts
Master of Business
Administration
Master of Fine Arts
Master of Music
Master of Music Education
Master of Science
Master of Science in Education
Doctor of Philosophy

Baccalaureate

Bachelor of Arts
Bachelor of Science
Bachelor of Music
Bachelor of Music Education

In addition to the above degrees, Southern Illinois University offers undergraduate courses in preprofessional areas and a graduate program leading to a sixth year specialist certificate in education.

For information concerning master's degrees or the Doctor of Philosophy degree, refer to the Graduate School Catalog or direct inquiries to the dean, Graduate School, Southern Illinois University, Carbondale, Illinois 62901.

DEGREE REQUIREMENTS

Associate Degree

Each candidate for an associate degree must complete a minimum of 96 hours of credit in approved courses. Each student must maintain a *C* average. The degree granting unit for the associate degree is the Division of Technical and Adult Education. For information concerning this degree refer to the Vocational-Technical Institute Catalog.

Baccalaureate Degree

Every bachelor's degree candidate must meet the University's requirements and the requirements of his academic unit. The specific requirements in General Studies and in each college and school are listed later.

Each candidate for the degree must complete a minimum of 192 hours of credit in approved courses. The General Studies requirements total 90 hours although there are methods available to reduce the number as listed in this chapter under General Studies. Also, at least 64 hours must be in senior (i.e., 300 or 400) college courses. Each student must have a *C* average, and grades not lower than *C* in subjects aggregating at least

three-fourths of the work. A C average is required in the area of concentration.¹ These averages are required for credit made at this University as well as for the total record.

To receive a bachelor's degree from Southern Illinois University a student must either present a total of three years work (144 hours) earned at Southern Illinois University or complete the last year in residence. The last year shall be considered as 48 quarter hours of which not fewer than 36 shall be of senior college level. Twelve of the 48 may be earned in extension at Southern Illinois University.

A student who received his first bachelor's degree from Southern Illinois University and who desires a second bachelor's degree must complete 45 hours in addition to those required for the first degree and must fulfill the requirements for the second degree. Of these 45 hours, a minimum of 15 must be taken in residence at the University, and a maximum of 15 may be acquired in extension and correspondence courses. At least 30 hours must be in senior college courses. If a student received his first bachelor's degree from another university, 48 hours are required to fulfill the residence requirement for the second bachelor's degree, two-thirds of which must be in senior college courses.

The state of Illinois requires that American patriotism and the principles of representative government, as enunciated in the American Declaration of Independence, the Constitution of the United States of America, and the Constitution of the State of Illinois, and the proper use and display of the American flag shall be taught in all public schools and other educational institutions which are maintained in whole or in part by public funds, and that no student shall receive a certificate of graduation without passing a satisfactory examination upon such subjects. Courses currently offering this instruction are GSB 211B and 300A; Government 231, 232, 305, and 330; History 330 and 400.

Students preparing to teach must satisfy the certification requirements of the state in which they plan to teach. Illinois requirements are described in the Elementary Education and Secondary Education concentration sections in the next chapter.

University Convocation

All students entering the University as beginning freshmen must satisfactorily complete three quarters of University Convocation during their first year, or in any case prior to graduation. Exceptions are (1) students who transfer from other institutions and re-entering students who started collegiate work in the Vocational-Technical Institute, (2) students who are more than twenty-five years of age at the time of first registration at Southern Illinois University, (3) students who carry fewer than 12 hours each quarter during their first eight quarters, and (4) students enrolled in the Vocational-Technical Institute.

Preprofessional Programs

Preprofessional students may, subject to certain conditions, obtain a bachelor's degree after three years' work (144 quarter hours) at Southern Illinois University and one or more years' work in a professional school. During their three years of residence at Southern Illinois University they need to have completed all requirements other than elective hours for the bachelor's degree which they are seeking.

¹ The areas of concentration are described in the next chapter.

In some cases the completion of concentration requirements is possible by their taking certain courses at the professional school, but this is permitted only upon the prior approval of the appropriate divisional head. Also, there needs to be completion of at least one year of professional work with acceptable grades in a Class A medical school, a Class A dental school, a Class A veterinary school, an approved law school, an accredited medical technology school, a hospital plan approved by the University or an accredited school of osteopathy. In all cases, all University graduation requirements must be met. It is advisable for a student interested in this program to make his decision to seek a bachelor's degree before entering the professional school so that any questions may be clarified at an early date.

General Studies

The General Studies curriculum is divided into five major areas which are listed below with the numbers of hours required.

Area A Man's Physical Environment and Biological Inheritance . .	22
Area B Man's Social Inheritance and Social Responsibilities	22
Area C Man's Insights and Appreciations	22
Area D Organization and Communication of Ideas	18
Area E Health and Physical Development	6

Within each of the five areas, courses are structured in a manner so as to offer the student course combinations within the various levels. The student who has selected his area of concentration at the time he takes the General Studies courses is assisted in determining the proper courses to take by consulting the curriculum guides which he may obtain from his academic adviser.

Area A Man's Physical Environment and Biological Inheritance

	HOURS
Freshman-level courses	8
Sophomore-level courses	8
Junior-level courses	6
Total hours	22

The freshman-level course may be either 101-8 Introduction to Physical Science or 110-8 The Earth and its Environment.

The sophomore-level courses may be either 201-8 Introductory Biology or 210-8 Introductory Environmental Biology.

The junior-level courses may be selected from those courses in Area A above 299.

Area B Man's Social Inheritance and Social Responsibilities

Freshman-level courses	8
Sophomore-level courses	8
Junior-level courses	6
Total hours	22

The freshman-level basic sequence may be either 101-8 Survey of Western Tradition, or the anthropology-geography combination 102-8 Man and His World.

The sophomore-level courses may be either 201-8 Behavior and Society, or 211-8 Political Economy.

The junior-level courses may be selected from those courses in Area B numbered above 299.

Area C Man's Insights and Appreciations

Freshman-level courses	9
Sophomore-level courses	7
Junior-level courses	6
<i>Total hours</i>	<u>22</u>

The freshman-level courses may be either 110-9 An Introduction to Western Humanities, or 102-3 Problems of Moral Decision, 103-3 World Literature for Composition, and either 100-3 Music Understanding or 101-3 Art Appreciation.

The sophomore-level courses must include one course from the group of courses: 200 (speech), 201 (drama), 203 (theater), 204 (art), 205 (design), or 206 (music) and one course must be taken from these courses: 202 (poetry), 207 (philosophy), 208 (logic), 209 (modern literature), or 210 (fiction).

The junior-level courses may be selected from those courses in Area C numbered above 299.

Area D Organization and Communication of Ideas

Freshman level courses	
Required composition and speech	9
Either a foreign language sequence 9 or	
a basic mathematics sequence 8	<u>8 or 9</u>
<i>Total hours</i>	17 or 18

To assure composition competency, some upper division academic units require a C average in GSC 103 and GSD 101, 102. A student may determine which units have this requirement by referring to college and school requirements listed later in this chapter.

Area E Health and Physical Development

Freshman-level physical education	3
Sophomore-level health education	3
<i>Total hours</i>	<u>6</u>

The physical education requirement for women may be satisfied by taking three courses within a wide variety of activity-type courses offered. Specifically required of men is 102-1, Physical Fitness plus 2 additional hours in Area E.

The health education requirement is satisfied by taking 201-3, Healthful Living.

Flexibility in Meeting General Studies Requirements

Considerable latitude is permitted the student in meeting General Studies course requirements. The University believes in a strong, well rounded general education program but does not accept the idea that every student must take the same courses or program in meeting the objective. Alternate routes are, therefore, provided within the General Studies framework.

Accommodations to differences in student background, interest, and aspirations include: (1) *Waivers* or exemptions are available to students at third level in the area of their specialization; (2) *Substitution* of de-

partmental courses for the required General Studies courses; (3) *Self advisement* exists for those students capable of and desiring to do this phase of registration for themselves; (4) "*Self determination*" of requirements is possible for students of high ability (upper ten percent); (5) In the *accommodation to adults* who were previously deprived of college opportunities because of economic or other circumstances, *special advisement and curricular considerations* have been made to get back on the college track.

Enrichment features include the following: (1) *An Honors Program* (President's Scholars); (2) *The Intercultural Studies Program* provides courses with a cross-cultural emphasis; (3) *Vita International*—a co-operative overseas program in Luxembourg; (4) *Black American Studies*; (5) *Exotic Languages*.

Remedial Programs include: (1) *Mathematics* (non-credit) exists for students with insufficient mathematics training in high school; (2) *A writing clinic* exists for providing corrective assistance to students in English Composition; (3) *An experimental program for disadvantaged students* or underachievers is in operation.

Acceleration features include the following: (1) *Proficiency Examinations* are given in virtually all General Studies courses with most of those at first level being given at fixed dates and on a mass scale so as to be of maximum convenience to the student in making registration adjustments; (2) *Advanced standing* recognizes the student's high school contribution to his general education; (3) Students of above average ability may "*challenge*" certain requirements in an experimental variation; (4) *A Learning Resources Center* is both an acceleration and an enrichment. Students may review or prepare for proficiency examinations, make up work missed, or sharpen their skills through self study.

The Transfer Student and General Studies

A transfer student who expects to graduate from Southern Illinois University must meet the General Studies requirements. It is recognized that in doing so he might experience difficulty in satisfying the specific course requirements within the General Studies program. Therefore, he is required to meet all General Studies requirements, but he may do so through different course routes.

A transfer student must complete 22 hours in Areas A, B, and C. If he presents 22 acceptable hours in an area at the time of transfer and the work has been taken in a minimum of three specific fields included within that area at this University he will be considered as having met the requirements of that area. If he presents fewer than 22 hours within an area, he will be required to take sufficient hours to total 22 hours. The work will need to be taken in General Studies courses and is to be non-duplicative of work already taken. If he presents no work in one of these areas, he is required to take the work in that area on the same basis as does a student who entered Southern Illinois University originally.

In Area A, there is the further provision that the work in three minimum subject areas must include work in both the physical and biological sciences. A transfer student is granted the same third-level waiver provision as are the native students in the area of his specialization so that he may satisfy one of the Areas A, B, or C by taking 16 hours in three specific fields of study rather than by taking 22 hours.

A transfer student is held to the same hour and course distribution requirements as are native students in Areas D and E.

Additional information concerning admission of a transfer student and the evaluation of transfer credit can be found in the sections of this catalog pertaining to those specific subjects.

School of Agriculture

The School of Agriculture offers the following concentrations leading to the Bachelor of Science degree.

Agricultural Education	Forest Resource
Agricultural Industries	Management
Agricultural Economics	Forest Recreation and
Agricultural Business	Park Management
Agricultural Mechanization	Outdoor Recreation Resource
Agriculture, General	Management
Animal Industries	Plant Industries
Production	Production
Science	Science
Forestry	

As precollege preparation of high school students for study of agriculture and forestry, it is recommended that the following be included: four units of English, two to four units of mathematics (algebra, geometry, advanced mathematics); two to three units of science (biology, chemistry, physics); and two to three units of social studies. Remaining units might well include agriculture.

For transfer students wishing to pursue a concentration in one of the agricultural or forestry areas, courses taken prior to entering Southern Illinois University should include a distribution in the physical and biological sciences, social sciences, and humanities. In addition a course in speech and appropriate sequences in English composition and college algebra should be included.

A student planning to take preprofessional courses in veterinary science or dairy technology should register in the School of Agriculture when eligible.

The School of Agriculture has no school-wide requirements other than the University requirements.

School of Business

The School of Business offers the following concentrations leading to the Bachelor of Science degree.

Accounting	Behavioral Science—
Economics	Personnel Management
Finance	Management Science—
Financial Management	Management Systems
Financial Institutions	Marketing
Management	Secretarial Studies

Secondary concentrations are not available in business areas. A student in the school may prepare for teaching at the secondary level by including in his studies certain professional courses offered by the College of Education.

Pre-College Preparation. High school and preparatory school students who are planning to enroll in the School of Business are advised to follow a college preparatory program which includes three (preferably four) units of both English and mathematics. It is also suggested that a sub-

stantial portion of the remainder of their study programs include courses in basic academic subject areas such as foreign languages, humanities, the sciences and social studies.

General Studies Requirements for Business Students. Students who intend to enter the School of Business must take Mathematics 111a and 111b to satisfy the first-level Area D requirement. In addition, GSD 110 should be taken prior to entering the School of Business. GSB 201b and GSB 201c are also required courses in School of Business programs.

Requirements normally taken by students during the sophomore year include Mathematics 150a, Economics 214, 215 and Accounting 251–8 and 261. These courses are initiated while one is enrolled in General Studies.

Professional Business Core. The professional business core, required of all School of Business students consist of GSB 201b and 201c, GSD 110, Accounting 251–8, 261, Economics 214, 215, 308 or 408, Finance 320, 371 or 473, Management 340, 481, and Marketing 301.

Special Degree Requirements. Students who desire a degree from the School of Business must satisfy, in addition to University degree requirements, the following:

1. Competency in English as demonstrated by having completed GSD 101, 102 and GSC 103, or their equivalents, with a grade of *C* or higher in each of the latter two courses.
2. Competency in business and economics as demonstrated by an overall grade point of 3.00 *C* or better in all college and university business and economics courses taken, and in addition, all courses taken at Southern Illinois University that are included in the professional business core and the area concentration requirements.

School of Communications

The School of Communications offers the following concentrations leading to the Bachelor of Science degree.

Journalism	Speech
Photography	Speech Pathology and Audiology
Radio-Television	Theater

The specific requirements for the various concentrations offered by the School of Communications are listed in the next chapter.

To graduate from the School of Communications a student must demonstrate competence in English by earning a *C* average in GSD 101, 102, and GSC 103, or their approved equivalent.

College of Education

The College of Education offers the following concentrations leading to the Bachelor of Science Degree.

Agricultural Education	English
Art	French
Biological Sciences	General Science
Botany	Geography
Business Teacher Education	German
Chemistry	Government
Early Childhood Education	Greek
Economics	History
Elementary Education	Home Economics

Health Education	Secondary Education ¹
Journalism	Social Studies
Language Arts	Spanish
Latin	Special Education
Mathematics	Speech
Music	Speech Pathology and Audiology
Physical Education	Technical and Industrial Education
Physics	Theater
Recreation and Outdoor Education	Zoology
Russian	

The College of Education also grants the Bachelor of Music Education degree.

Supervised student teaching is conducted in cooperating public schools. The College of Education requires 12 to 16 hours of student teaching for the Bachelor of Science degree.

Students who wish to become principals or supervisors in the public schools take graduate work in the Department of Educational Administration and Foundations. The department's major emphasis is on graduate work, but it also participates in providing background for elementary and high school teachers.

Students preparing to teach in the public schools of Illinois should be informed that requirements for the Standard Elementary School Certificate are listed under Elementary Education; those for the Standard High School Certificate are listed under Secondary Education; those for the Standard Special Certificate are listed following high school certification.

Students planning to teach on the early childhood and elementary levels register in the College of Education. Most students planning to teach on the high school level also register in this college. However, it is possible for a student to be registered in one of the other colleges or schools and meet the state requirements for a Standard High School Certificate by using as his electives certain prescribed courses in the College of Education. This is also true in the case of those seeking to qualify for a Standard Special Certificate.

Students qualifying for teaching certificates in Illinois should also know that no certificate issued after July 1, 1953, will be renewed for the first time unless the person holding the certificate passes an examination to the satisfaction of the certifying authority upon the provisions and principles of the Constitution of the United States and of the state of Illinois.

School of Fine Arts

The School of Fine Arts offers the following concentrations leading to the Bachelor of Arts degree.

Art

Design

The School of Fine Arts also offers a concentration in music leading to the Bachelor of Music degree.

There are specific requirements for admission to the concentrations in the School of Fine Arts. Students considering enrolling in the school should make appointments with the chief academic adviser to determine eligibility for the Studio and Studio Crafts specializations for the designated concentration.

¹ This is not a concentration. Persons planning to teach in secondary schools should refer to this section for a listing of concentrations and secondary concentrations.

School of Home Economics

The School of Home Economics offers a concentration in home economics leading to the Bachelor of Science degree. Within this concentration, a specialization may be chosen from the following.

- | | |
|-------------------------------|--------------------------------|
| Apparel Design | Foods in Business |
| Clothing and Textiles | Food and Nutrition Science |
| Merchandising | Institution Management |
| Consumer Services in Business | Interior Design |
| Dietetics | Pre-School Program |
| Extension | Teaching Vocational Homemaking |
| Family Services Consultant | |

The specific requirements for each of these specializations appear in the next chapter.

College of Liberal Arts and Sciences

The College of Liberal Arts and Sciences offers the following concentrations leading to the Bachelor of Arts and Bachelor of Science degrees.

- | | | |
|---|---------------------------------------|--------------------------------|
| African Studies ² | French | Mathematics |
| Anthropology | German | Microbiology |
| Art ¹ | Latin | Music ¹ |
| Asian Studies ² | Russian | Philosophy |
| Biological Sciences ^{3 4} | Spanish | Physics |
| Botany | Geography | Physiology |
| Chemistry | Geology | Psychology |
| Earth Science ² | Government | Religious Studies ² |
| European and Russian Studies ² | Health Science ^{3 4} | Sociology |
| Economics ¹ | History | Speech ¹ |
| English | Inter-American Studies ^{3 4} | Theater ¹ |
| Foreign Languages | Linguistics ² | Zoology |

College Requirements Prior to Fall 1968

Students who began their collegiate training prior to Fall 1968 must satisfy the following requirements to receive a degree from the College of Liberal Arts and Sciences:

1. Competency in English as demonstrated by having completed courses GSD 101, 102, and GSC 103, or their equivalents, with grade average of C or better.
2. Successful completion of one year of a foreign language as demonstrated by one of the following: (a) passing a 9-hour 100-level sequence in one language; (b) completing two years in one language in high school with no grade lower than C and achieving a satisfactory score on a standardized test in that language; or (c) completing three years in one language in high school with no grade lower than C. Tests administered during advisement of new students will determine whether proficiency credit is allowable.
3. Successful completion of requirements in an area of concentration.

¹ These are liberal arts concentrations, not professional concentrations.
² Only secondary concentrations are allowed in these fields.
³ Those who concentrate in these fields need no secondary concentrations.
⁴ No secondary concentrations are allowed in these fields.

College Requirements Effective Fall 1968

Students who began their collegiate training Fall 1968 or thereafter at Southern Illinois University or at any accredited institution must satisfy the following requirements to receive a degree from the College of Liberal Arts and Sciences.

1. Competency in English as demonstrated by having completed GSC 103 with a grade of *C* or better. Transfer students should consult the LA & S advisement office regarding this requirement.

2. Successful completion of two years of a foreign language and one year of mathematics or two years of mathematics and one year of a foreign language, as demonstrated by the following:

Foreign Language—The one year foreign language requirement can be met as outlined in 2 above. The two year requirement can be satisfied by (a) passing a 9-hour 200-level sequence in one language; or (b) completing three years of one language in high school with no grade less than *C* and achieving a satisfactory score on a standardized test in that language; or (c) completing four years in one language in high school with no grade below *C*. Credit may be earned by passing proficiency tests which are scheduled at various times during the year.

A native speaker may be excused from the foreign language requirement if the proposed foreign language is taught here. He may elect to take a proficiency examination if he wants credit. He would do this by following the regular University proficiency examination procedure.

Mathematics—The one year mathematics requirement can be met by (a) passing Mathematics 111–10; (b) passing other freshman level mathematics courses as approved by the Mathematics Department; or (c) completing three years of high school mathematics with no grade less than *C* and achieving a satisfactory score on the University's Mathematics Placement Test. The two year requirement can be satisfied by (a) passing Mathematics 150–10; or (b) passing a sequence of mathematics courses, including calculus, as approved by the Mathematics Department.

Students should consult with the department of their concentration to determine whether they should elect two years of mathematics or two years of foreign language to satisfy the requirement of the College.

3. Successful completion of requirements in an approved area of concentration.

PREPROFESSIONAL COURSES

A student planning to take preprofessional courses in any of the following areas should, after completing General Studies, register in the College of Liberal Arts and Sciences. A course of study called preprofessional does not lead to a degree at Southern Illinois University (refer to section on preprofessional programs mentioned earlier in this chapter):

Dentistry	(3 or 4 years)	Pharmacy	(1 to 4 years)
Law	(3 or 4 years)	Physical Therapy	(2 or 3 years)
Medical Technology	(2 or 3 years)	Public Health	(3 or 4 years)
Medicine	(3 or 4 years)	Theology	(2 to 4 years)
Occupational Therapy	(2 or 3 years)	Veterinary Science	(3 or 4 years)

School of Technology

The School of Technology offers the following concentrations leading to the Bachelor of Science degree.

Engineering	Industrial Technology
Engineering Technology	Technical and Industrial Education

Specific requirements are listed for the various concentrations offered by the School of Technology in the next chapter.

There are no school-wide requirements for a degree other than the University requirements.

4 / Curricula and Courses

THE FIELDS OF STUDY in which Southern Illinois University at Carbondale offers course work leading to a bachelor's degree follow in alphabetical order rather than by college or school. Included in this section is information on African studies, nursing, secondary education, and student teaching.

Accounting	English	Music
African Studies ¹	European and Russian Studies ¹	Philosophy
Agricultural Education	Finance	Photography
Agricultural Industries	Forestry	Physical Education
Agriculture, General	French ⁴	Physics
Animal Industries	General Science ²	Physiology
Anthropology	Geography	Plant Industries
Art	Geology	Psychology
Asian Studies ¹	German ⁴	Radio-Television
Biological Sciences	Government	Recreation and Outdoor Education
Black American Studies ¹	Health Education	Religious Studies ¹
Botany	Health Science	Russian ⁴
Business Teacher Education	History	Secretarial Studies
Chemistry	Home Economics	Social Studies ³
Community Development ¹	Industrial Technology	Sociology
Design	Instructional Materials ¹	Spanish ⁴
Driver and Safety Education ^{1 5}	Inter-American Studies	Special Concentration
Early Childhood Education	Journalism	Special Education
Earth Science ¹	Language Arts	Speech
Economics	Latin ⁴	Speech Pathology and Audiology
Elementary Education	Linguistics ¹	Technical and Industrial Education
Engineering	Management	Theater
Engineering Technology	Marketing	Zoology
	Mathematics	
	Microbiology	

Fields of study for students seeking two-year associate degrees are included in the Vocational-Technical Institute Catalog.

¹ Secondary concentration only.

² Not described in this catalog.

³ Mentioned under secondary education, but not described in this catalog.

⁴ Described under Foreign Languages.

⁵ Described under Health Education.

Abbreviations Used in this Chapter

Three-digit numerals are used to identify specific courses. The first numeral of the three indicates the level of that course. A letter following an identification number indicates a *part* of a course (*a* means first part, *b* means second part, etc.). A numeral separated from the identification number by a dash indicates the number of hours required in the course. For example, Forestry 365-10 indicates a third-level course of 10 hours in the Department of Forestry, and Forestry 365a,b indicates the first two parts of the course.

The five areas of General Studies are referred to as GSA, GSB, GSC, GSD, and GSE. The three-digit numerals following these abbreviations function similarly to those noted above. Numerals 1, 2, or 3 following one of these abbreviations and separated by a dash indicate the level requirement in that area. For example, GSA-3 indicates the third-level requirement in General Studies Area A.

Numerals in parentheses in columns of figures pertain to quarter hours which satisfy more than one requirement. They are in parentheses to avoid their being added into the total of the column, which would be a duplication of hours required. For example, under Agricultural Industries, below, GSB 314 satisfies part of the General Studies requirements and contributes 3 hours toward the 83 hours required. It also satisfies one of the requirements for concentration in agricultural industries but does not contribute to the printed total of 109 hours.

Course Descriptions

The first entry for each course is a three-digit numeral which, together with the subject area, serves to identify the course. The first digit indicates that the course is for freshmen, sophomores, juniors, seniors and graduate students, or graduate students only, depending on whether the digit is 1, 2, 3, 4, or 5, respectively.

Following the identification number are a dash and another number, which indicates the maximum credit allowed for the course. The maximum may be variable, such as Art 393-4 to 12. Some courses do not terminate at the end of one quarter, as evidenced by two or more numerals in parentheses indicating the credit allowed for each quarter of participation in the course, such as GSA 101-8 (4,4).

Next is the title, followed by a description of the course. If certain requirements must be satisfied before enrollment in a course, they are listed as prerequisites.

Not all of the courses described here are offered every quarter or even every year. To find out when and where a course is to be offered, consult the Schedule of Classes, which may be obtained from Central Publications, Southern Illinois University, Carbondale, Illinois 62901. When requesting a schedule, please specify *campus* (Carbondale or Edwardsville) and *quarter* (fall, winter, spring, or summer).

Man's Physical Environment and Biological Inheritance (GSA)

101-8 (4,4) Introduction to Physical Science. The aim of this course given jointly by the departments of Chemistry and Physics, is to introduce the student to a few of the basic concepts underlying the contemporary scientific view of nature, such as the properties of energy, and behavior of matter.

110-8 (4,4) The Earth and Its Environment. A study of the Earth, its major domains, and its space environment: student investigation of earth substances, processes and utilization of energy. An investigative approach is used for study of the observational and measurement techniques used by the earth scientist. Lecture, laboratory, and individual study.

201-8 (4,4) Introductory Biology. Lecture and laboratory on the fundamentals of biological science: the cell and protoplasm, development, inheritance, structure and function of animals and plants, evolution and ecology. Must be taken in a,b, sequence. Prerequisite: GSA first level or Chemistry 110 or 111.

210-8 (4,4) Introductory Environmental Biology. Life and its environmental relationships. Morphological and ecological diversity of organisms is emphasized, including the dynamics of living communities, their variation in space and time, and the influence of genetics on these processes. May be taken in either sequence. Prerequisite: 110 or Chemistry 111.

299-8 (4,4) Experimental Course—Survival of Man. Interdisciplinary study of the problems of man's relationship with the world. Emphasis on the inter-related scientific, technological, sociological, moral, and ethical questions important to survival.

301-4 Principles of Physiology. A comprehensive introductory analysis of the functional machinery of the human body.

302-3 Psychophysiological Foundations of Behavior. A study of the behavioral characteristics of living organisms, especially those of mammals and man.

303-3 Ferns, Trees, and Wild Flowers: The Pleasure of Recognition. Field studies of local plants.

312-3 Conservation of Natural Resources. A study of man's use and misuse of natural environment.

313-3 Evolution. Principles and processes of the evolution of living things, including man. Prerequisite: one year of biology.

314-3 Man's Genetic Heritage. Principles of heredity as related to man, with emphasis on the effects of environment on his biological inheritance.

315-3 History of Biology. The inter-relationships between the development of biological knowledge and the history of mankind.

321-3 Introduction to Paleontology. A study of the record of fossil plants and animals and the application of biological and geological principles to the development of theories regarding their origin, evolution, distribution, and extinction.

322-3 Introduction to Rocks and Minerals. The course is specifically designed to acquaint the nonprofessional with the origin, distribution, character, and value of the common minerals and rocks in the earth's crust.

330-3 Weather. A study of weather elements basic to understanding the various atmospheric happenings, with application to agriculture, industry, recreational resources, etc. Students may take only 330 or 331 for General Studies credit.

331-3 Climate. Description and interpretation of climatic regions and their influence on human activity. Students may take only 330 or 331 for General Studies Credit.

335A-3 Environmental Pollution, Chemical Aspects. Consideration of the processes involved in the formation of pollutants, their action on the environment, and the means of controlling pollution. Emphasis on the chemistry involved. Prerequisite: 101b, 201a,b, or 210a,b.

340-3 Ecology. A consideration of ecological principles with emphasis upon examples relating to vegetation.

345-3 Economic Botany. The study of man's dependence upon plants, domestication, production, consumption, crop ecology, possible new uses of plants.

358-6 (3,3) Analysis of Physical Systems. Quantitative applications of the principles of classical and modern physics with emphasis on the application of the laws of heat, wave motion, quantum theory, and atomic physics. Prerequisites: GSA first level, Mathematics 111a,b. Not open to students who have taken college or university physics.

361-3 Physics of Music and Acoustics. Nature, propagation, sources and receptors of sound; acoustic phenomena; physics of musical instruments; mathematics of music; ears and hearing; physiology and psychology; transmission, storage, and reproduction.

363-6 (3,3) Philosophy of Science. (a) The logic of scientific explanation illustrated by analysis of physical concepts and theories. (b) The logic of explanation in the biological and behavioral sciences and their implications for the individual and society. May be taken in a,b or b,a sequences, but a,b is preferable.

Man's Social Inheritance and Social Responsibilities (GSB)

100-8 (4,4) The Western Tradition in World Context. A survey of the patterns of the Western tradition within the framework of world history. (a) Ancient times to the seventeenth century. (b) The seventeenth century to the present. Attention is given to the techniques of historical interpretation and to student discussion of man's diverse and often contradictory response to major problems. Must be taken in sequence.

102-8 (4,4) Man and His World. Anthropology: the nature of man; his behavior as the only culture-bearing animal. Geography: description of the content and spatial patterns of the contemporary world.

201-8 (4,4) Behavior and Society. An examination of the variables related to the acquisition of human behavior and social interaction in human institutions.

210-2 to 4 Intercultural Seminar. Multi-disciplinary approach to study of (a) Africa, (b) Europe, (c) Latin America, (d) Moslem World, (e) Far East. Seminar and experiment in international living. Seminar comprised of one lecture from the Departments of Economics, Government, Anthropology, History, Geography, Philosophy, Sociology, Agriculture, and Technical and Industrial Education.

211-8 (4,4) Political Economy. The functioning of the economy, the theory, organization, and operation of government, and the making of public policy in the economic sphere.

299-8 (4,4) Experimental Course—Survival of Man. Interdisciplinary study of the problems of man's relationship with the world. Emphasis on the inter-related scientific, technological, sociological, moral, and ethical questions important to survival.

300-9 (3,3,3) History of the United States. A general survey of the political, social, and economic development of the United States. (a) 1492 to 1815, (b) 1815 to 1900, (c) 1900 to the present.

301-3 Law: Comparative Legal Systems. A comparison of the legal institutions and laws in the United States, Western Europe, South America, and Eastern nations.

302-3 Law: Civil Rights. The law protecting the civil liberties and rights of people.

303-4 International Relations. A study of world politics. The cause of international conflict and the conditions of peace.

304-3 Law: History and Philosophy. A study of the evolution and development of law beginning with the ancient and archaic periods. Greek law, Roman law, and English and American law. In addition, the historical development of legal philosophy is reviewed.

306-3 Child Development. Interdisciplinary study of the changes that take place in a child as he passes from birth to maturity.

309-4 Introduction to Black America. An interdisciplinary survey intent upon approaching the multi-dimensional aspects of the Black experience of America and generating student interest in the idea of Black American Studies.

310-1 to 3 (1,1,1) Current Events. Contemporary events in the modern world and their treatment in the newspaper and periodical press. May not be counted toward the journalism concentration.

311-3 Economic Development of the United States. Emphasizes the underlying trends and forces of change that have led to our present economic structure, level of performance, and our present world position. Prerequisite: 101b, or 211a,b, or 215.

312-3 Comparative Economic Systems. A comparative study of the goals, structure, and operation of the major economic systems, such as capitalism, socialism, communism, and fascism. Emphasis upon basic systems of organization and control, and upon mixed economies, rather than upon the traditional compartments within which economic systems are sometimes put. Prerequisite: 211a or 215.

314-3 Economic Analysis of the Agricultural Policies of the United States. Emphasis on the underlying economic bases of agricultural policies and the effects of such policies on farmers, middlemen, and consumers.

320-6 Modern Britain. History, economics, government, and sociology of contemporary Britain (summer only, abroad).

321-3 Socialization of the Individual. A study of the emergent social process in

- which the native capacities of the infant are shaped and developed through interaction with significant others during infancy and childhood.
- 325-3 Race and Minority Relations.** An analytical study of the status of racial, ethnic, and religious minorities in the United States.
- 331-3 The American Educational Systems.** A comprehensive study of the nature and purpose of education in the United States and of how our schools are organized, financed, and conducted.
- 340-3 Human Relations Between the Sexes.** Explores concepts and issues including development of sexuality, selection of a life partner, premarital sex experience, modern morality and the development of sexual mores, marriage, family planning, reproduction, varieties of sexual expression, and sex education.
- 341-3 Marriage.** An examination of marriage in various societies with an emphasis on the origins, changes, and present status of dating, courtship and marriage in the United States.
- 345-3 Introduction to American Foreign Policy.** An investigation of the means by which American foreign policy is formulated and executed and an analysis of the most significant challenges confronting America abroad.
- 346-3 Consumer Choice and Behavior.** Analysis and overview of consumer behavior, historical as well as present day, theories related to the choices. Prerequisite: 211a,b.
- 353-3 Economic Geography of Resource Management.** Description and analysis of contemporary problems concerning the behavioral and technical aspects of management of land, water, air, and environment quality.
- 354-3 Industrial Economic Geography.** Geographic resources relationship to the economic life of our nation, distribution of resources, industrial production, and the transportation of industrial products.
- 355-3 Geography of the United States.** Discusses how man's culture has influenced utilization of resources in United States with attention given to physical environment. Primary focus on how aboriginal Americans utilized the landscape, how European colonizers made their imprint on the land, and how the present cultural landscape developed.
- 356-4 Geography of Sub-Saharan Africa.** Analysis and explanation of emerging spatial patterns of socio-economic development in Africa as most meaningful to the geographer in assessing the continent's transition from traditional to modern political, social and economic systems.
- 361-3 Fundamentals of Decision Making.** A study of factors and methods involved in selecting the most economical and feasible plan in industrial engineering ventures considering both the business and technical aspects involved. Prerequisite: GSD 108-6, or Mathematics 111-10, and junior standing.
- 369-3 The Contemporary Far East.** A study of relations between wartime and peacetime economies with specific references to government controls, impact of military expenditures in "hot" and "cold" wars, and the re-allocation of resources.
- 377-3 to 4 Issues of Today.** Interdisciplinary treatment of social problems of issues of current interest. Offered once or twice per year. May be repeated for a maximum of eight quarter hours provided registrations cover different topics. Prerequisite: 16 hours of GSB courses or equivalent.
- 380-6 (3,3) East Europe: Cultural Heritage and Present Institutions.** (a) Cultural Heritage, (b) Present Institutions. An introduction to the European area east of the iron curtain with attention evenly divided among Russia, the Balkans, and Northern East Europe.
- 385-3 Contemporary Political Isms.** An advanced survey of recent political systems: Nationalism, Socialism, Communism, Liberal Democracy, Christian Socialism, Fascism.
- 390-4 Introduction to Comparative Government.** A comparative survey of the organization and operation of politics in contemporary states.
- 391-3 Introduction to Sub-Saharan African Government and Politics.** For those with no background in African studies. Aspects of the politics and government of Sub-Saharan Africa relevant to an understanding of past and present domestic and foreign policies of the African states and territories. One-party systems of government, the role of the African military establishment, inter-African organizations and pan-Africanism, and the role of the African states in the United Nations.
- 392-3 Introduction to Latin American Government and Politics.** A general introduction to Latin American government on the institutionalized political expression of Latin American civilization and culture. Does not require a reading knowledge of Spanish or Portuguese.

Man's Insights and Appreciations (GSC)

100-3 Music Understanding. Criteria for discriminative music listening as an asset to general culture. An examination of basic materials, techniques, and forms. Three consecutive quarters of music 001a-1 Symphonic Band, 002b-1 Oratorio Chorus, or 003a-1 University Orchestra may be substituted for this course. Prerequisite: two years of appropriate performing experience.

101-3 Art Appreciation. Study of significant achievements in art related to Western culture and contemporary life.

102-3 Problems of Moral Decision. An introduction to contemporary and perennial problems of personal and social morality, and to methods proposed for their resolution by great thinkers of past and present.

103-3 World Literature for Composition. Reading in English, literary masterpieces of the Western world, to increase the student's competence in reading imaginative literature, to acquaint him with the great ideas and values of the best literature, and to train him to deal with literary materials in his writing. Prerequisite: GSD 102 or appropriate ACT score.

110-9 (3,3,3) An Introduction to Western Humanities. A selection of great works expressing the aesthetic, moral, and religious values of Western man. Sets forth the critical vocabulary of six humanistic disciplines: art, music, philosophy, design, literature, and theater; provides some direct experience of each one; and calls attention to interrelations among the disciplines and between the humanities and other aspects of Western culture. Must be taken in a,b,c sequence.

200-4 The Oral Interpretation of Literature. Students participate in a dynamic analysis of literature stressing the creative role of the oral interpreter. Emphasis is on individual problems in understanding and communicating significant literary works.

201-3 Introduction to Drama. Not a history of the drama. The class will read about a dozen plays, modern and ancient, and consider how various dramatic conventions and devices are used to give form and meaning to human experience.

202-3 Introduction to Poetry. A variety of poems, from the simpler to the more complex, are read and discussed. Emphasis is upon enjoyment and upon heightened insight into human experience. Devices of artistic form, such as imagery and meter, are discussed as they are involved with the substance they express, human actions, feelings, and attitudes, including the poet's satisfaction in giving artistic form to his material.

203-3 Drama and the Arts of the Theater. The study of drama as a literary type: the relationship with the theater audience, the role of the theater in Western culture and its relation to other creative arts.

204-4 Meaning in the Visual Arts. The relationship of the visual arts to the history of ideas and the other arts at important selected moments in Western Civilization studied from paintings, sculpture, architecture, documents, and literature of the time. Prerequisite: 101 or consent.

205-4 Man's Contemporary Environment. A lecture-laboratory course designed to create a picture plane whereon a student may see some principles underlying architecture, visual communication, and other products of his physical and cultural environment.

206-4 Foundations of Music. Further development of music listening skills. Emphasis on music in social, philosophical, and historical contexts. How cultural forces, past and present, have influenced the art of music, and how it has helped to shape cultural events. Prerequisite: 100 or consent.

207-3 Philosophy of the Beautiful. A study of the structure and importance of the beautiful in nature, society, personality, and the arts.

208-4 Logic and Meaning. A critical study of expressive, informative, and other modes of discourse, with emphasis on their roles in rational process.

209-4 Modern Literature: Form and Idea. Designed to give the student an interest in and an understanding of the forms, themes, and values of modern American, British, and Continental literature.

210-3 Introduction to Fiction. A study of the chief techniques of fiction and of some of the acceptable criteria for judging fiction. Readings in some of the masterpieces among American and European short story and novel writers.

211-9 (3,3,3) An Introduction to Oriental Humanities. The literature, music, drama, visual art, and definitive cultural motifs of three great Asian traditions: (a) focuses on India; (b) on China; and (c) on Japan. May be taken in any order.

215-4 Types of Religion. The major kinds of religious behavior and faith in the east and the west, in ancient and modern times, in social and individual forms, and in ecclesiastical and secular settings.

299-8 (4,4,) Experimental Course—Survival of Man. Interdisciplinary study of the problems of man's relationship with the world. Emphasis on the inter-related scientific, technological, sociological, moral, and ethical questions important to survival.

305-3 Contemporary French Drama. Masterpieces of French contemporary drama in translation, with special emphasis on selected works of Giraudoux, Anouilh, Sartre, Camus, Ionesco, and Beckett.

307-3 Early Islamic Culture and Civilization. An historical study of Islamic heritage including religion, philosophy, literature and the arts.

310-3 Religious Foundations of Western Civilization. Examination of the historical backgrounds and contemporary expressions of Jewish, Catholic, and Protestant thought.

311-3 Philosophies and Religions of India. Historical and comparative study of Hindu, Jain, and early Buddhist thought and practice.

312-3 Philosophies and Religions of the Far East. Historical study of the religious and secular thought of China and Japan; Confucianism, Taoism, and the varieties of Mahayana Buddhism.

317-3 Recent American Literature.

318-3 Modern British Literature. Contemporary British Fiction and Drama (Summer only—Oxford program abroad).

320-3 Greek Literature in Translation. A study of the masterpieces of Greek literature in translation.

325-3 Black American Writers. Poetry, drama, and fiction by black American writers. Prerequisite: 103 or equivalent.

330-3 Classical Mythology. Study of the classical myths and their literary value.

331-3 Latin Literature in Translation. Discussion of Latin literary works and their influence on later literature.

332-3 Classical Drama. Study of selected plays in English translation from Aeschylus, Menander, Plautus, Terence, and Seneca. Origins, development, and influence of Greek and Roman tragedy and comedy. Study of Aristotle's *Poetics*.

333-3 The Bible as Literature. The Bible in English translation considered as literature.

340-3 Modern Art A: The Art of the 19th Century. The principal movements of the 19th century: neo-classicism, romanticism, realism, impressionism, and post-impressionism. The styles of David, Ingres, Delacroix, Corot, Courbet, Manet, Degas, Monet, Renoir, Seurat, Van Gogh, and Gauguin receive emphasis.

341-3 Modern Art B: Art of the Early 20th Century. A study of modern art as manifest in Fauvism, cubism, and expressionism. Emphasis on the artistic development of Cezanne, Matisse, Rouault, Picasso, Braque, Gris, Leger, Kirchner, and Kandinsky.

342-3 Modern Art C: Art of the Mid 20th Century. Abstraction, later German expressionism, the school of Paris, and surrealism. Special attention to the work of de Chirico, Klee, Beckman, Chagall, Kokoshka, Soutine, and late Matisse, Picasso, Braque, and Leger.

345-9 (3,3,3) Masterpieces of World Literature. A study of the representative works of the varying cultures and eras: (a) ancient, Greek and Roman worlds, (b) medieval, renaissance and eighteenth century, (c) Romantic, Victorian, and modern periods.

348-3 Photography as Communication and Art. The development and significance of still photography, with emphasis on photography as an art and communications medium. Study of factors making for photographic excellence to provide a basis for evaluation and discrimination of photographic images.

349-3 The Cinema. The cinema as a communicative and expressive medium. Study of film types. Showings of selected films.

351-6 (3,3) Masterpieces of the Novel. A study of the representative continental, English, and American novels: (a) 18th and 19th centuries, (b) 20th century.

354-6 (3,3) History of the Theater. A study of (a) primitive, Greek, medieval, and Italian Renaissance theater, (b) the theater since the Italian Renaissance.

363-6 (3,3) Philosophy of Science. (a) The logic of scientific explanation illustrated by analysis of physical concepts and theories. (b) The logic of explanation in the biological and behavioral sciences and their implications for the individual and society. May be taken in either a,b or b,a sequence, but a,b is preferable.

365-3 Shakespeare. The major works of William Shakespeare.

370-6 (3,3) American Music: Folk and Jazz. (a) American folk music from its foreign heritage to its current manifestations in our society and culture. (b) Stylistic characteristics of jazz at the various stages of its evolution, with special reference to the societies and cultures from which it evolved. Prerequisite: 100 or equivalent.

381-3 Greek Philosophy. The thought of the pre-Socratics, Plato, and Aristotle.

382-3 Graeco-Roman and Medieval Philosophies. Epicureanism, Stoicism, and medieval Christian thought.

383-3 Early Modern Philosophy. Bacon, Hobbes, Descartes, Leibniz, Spinoza, and the British empiricists in the context of the scientific and general social outlook of the period.

386-3 Early American Philosophy. From the colonial period to the Civil War.

387-3 Recent American Philosophy. Thought of Howison, Royce, Peirce, James, Dewey, and others.

Organization and Communication of Ideas (GSD)

101-3 English Composition. Basic rhetorical principles in expository writing.

102-3 English Composition. Basic rhetorical principles in expository writing. Prerequisite: GSD 101 or appropriate ACT score.

103-3 Oral Communication of Ideas. The basic principles and techniques of oral communication as applied to everyday speech activities.

106-0 Intermediate Algebra.

107-5 Basic College Mathematics. Elementary college algebra and mathematical concepts. For students who do not intend to study calculus or to take Mathematics 111b later. For students taking 107 and Mathematics 108 and 111b, credit in 107 is reduced to 3 hours. Prerequisite: one year of high school algebra or GSD 106.

109-3 Elements of Probability. Probability with some applications from statistics. Prerequisite: 107.

110-3 Economic and Business Statistics. Elementary statistical concepts, including the nature of statistical methods, sampling, probability, frequency distributions, estimations and hypothesis.

120-9 (3,3,3) Elementary Chinese. Emphasis on development of reading skills. Must be taken in a,b,c sequence.

123-9 (3,3,3) Elementary French. Emphasis on basic skills of listening, speaking, reading, and writing. No previous knowledge of French required. Must be taken in a,b,c sequence.

126-9 (3,3,3) Elementary German. Emphasis on basic skills of listening, speaking, reading, and writing. No previous knowledge of German required. Must be taken in a,b,c sequence.

130-9 (3,3,3) Elementary Greek. (a) Grammar is emphasized, (b,c) reading of a text, usually the New Testament. Must be taken in a,b,c sequence.

133-9 (3,3,3) Elementary Latin. Open to students who have had no previous work in Latin. Must be taken in a,b,c sequence.

135-9 (3,3,3) Elementary Portuguese. Emphasis on basic skills of listening, speaking, reading, and writing. No previous knowledge of Portuguese required. Must be taken in a,b,c sequence.

136-9 (3,3,3) Elementary Russian. Emphasis on basic skills of listening, speaking, reading, and writing. No previous knowledge of Russian required. Must be taken in a,b,c sequence.

140-9 (3,3,3) Elementary Spanish. Emphasis on basic skills of listening, speaking, reading, and writing. No previous knowledge of Spanish required. Must be taken in a,b,c sequence.

144-9 (3,3,3) Elementary Italian. Emphasis on basic skills of listening, speaking, reading, and writing. No previous knowledge of Italian required. Must be taken in a,b,c sequence.

210-15 (5,5,5) Uncommon Languages. Introduction to phonology and morphology. Concentration on elementary conversational skills, and reading skills where applicable. Classroom work, laboratory, and drill. (d-f) Swahili. (g-i) Vietnamese. (j-l) Serbo-Croatian.

Notes pertaining to GSD 120 through 144:

1. Sections of conversation for 1 hour of credit are available with each of these languages, but on an elective basis.

2. Students having had high school French, German, Russian, or Spanish should see the Counseling and Testing Service for placement. Students with high school training in other languages should see the Department of Foreign Languages for placement.

Health and Physical Development (GSE)

Courses numbered 100-104 are for men; 110-114 are for women.

- 100-3 (1,1,1) Restricted Physical Education (Men).
- 101-3 (1,1,1) Swimming (Men). (a) Beginning swimming, (b) Intermediate swimming, (c) Diving.
- 102-1 Physical Fitness (Men).
- 103-3 (1,1,1) Dance (Men). (a) Square, (b) Folk, (c) Social.
- 104-3 (1 per activity) Individual and Team Activity. (Men). (a) Archery, (b) Badminton, (c) Basketball, (d) Bowling, (e) Golf, (f) Soccer, (h) Tennis, (i) Volleyball, (j) Softball, (k) Horseback riding, (m) Fencing, (n) Cross country, (q) Fly and bait casting, (r) Stunts and tumbling, (s) Gymnastics, (t) Touch football, (u) Wrestling, (w) Judo, (x) Handball.
- 105-1 Weight Control. For students who are overweight, to learn and practice the principles of weight control. Prerequisite: consent of instructor.
- 110-3 (1,1,1) Restricted Physical Education (Women).
- 111-2 (1,1) Swimming (Women). (a) Beginning Swimming, (b) Intermediate Swimming.
- 112-1 Exercise for Fitness (Women).
- 113-5 (1,1,1,1,1) Dance (Women). (a) Square, (b) Folk, (c) Social, (d) Beginning Contemporary, (e) Intermediate Contemporary.
- 114-3 (1 per activity) Individual and Team Activity (Women). (a) Archery, (b) Badminton, (c) Basketball, (d) Bowling, (e) Golf, (h) Tennis, (i) Volley Ball, (m) Fencing, (p) Gymnastics and tumbling, (r) Track and field, (s) Intermediate Bowling, prerequisite: 114d, (t) Intermediate Tennis, prerequisite: 114h.
- 201-3 Healthful Living. Personal and community health. Presents scientific health information as a basis for helping the student develop wholesome health attitudes and practices.

Accounting

- | | |
|--|---|
| Professors Clifford R. Burger, M.S. | Susie Ogden, M.A. (Emerita) |
| Edward J. Schmidlein, Ph.D. | Roland M. Wright, Ph.D. (Chairman) |
| Ralph D. Swick, D.B.A. | |
| Associate Professors Mary Noel Baron, M.S. | Assistant Professors Charles D. Baron, M.A. |
| William Cundiff, J.D. | Thomas V. Hedges, D.B.A. |
| Robert L. Gallegly, M.A. | Marvin W. Tucker, Ph.D. |

Accounting is the process of identifying, measuring, and communicating economic information to permit informed judgments and decisions by users of the information. Such information is required and used by parties external to the business and by management within the business.

The curriculum is designed to prepare a student to assume a professional position as a certified public accountant or to join the management team in industry or government. The courses provide a basic understanding of all phases of accounting and permit the student to elect courses to prepare for a particular area of interest.

The various state laws prescribe the requirements for certification as a certified public accountant. In general, the accounting curriculum prepares the student educationally to meet these requirements.

Bachelor of Science Degree, SCHOOL OF BUSINESS

General Studies Requirements (Waive GSB-3)	84
Professional Business Core	52

GSB 201b,c, Mathematics 111–10	(18)
Accounting 251a,b, 261	12
Economics 214, 215, and 308 or 408	12
Finance 320, 371	8
GSD 110	3
Management 340, 481	8
Marketing 301	4
Mathematics 150a	5
<i>Requirements for Concentration in Accounting</i>	40
Accounting 331, 341, 351–8, 456	20
Accounting 432, 442, 453 (choose any two)	8
Accounting 455, 458, 461, 475 (choose one unless three were chosen above)	4
Economics 315	4
Finance 372 or 373	4
<i>Electives</i>	16
<i>Total</i>	192

Secondary Concentration

Requirements for a 24-hour secondary concentration in accounting consist of 251–8, 261–4 and 8 hours of accounting courses numbered 300 or above, and Management 170 or 340.

Course Descriptions

250–4 Accounting Fundamentals. Prevalent accounting principles and practices employed in business organizations. Accumulation of data and usefulness of reports are considered. Not open to students with a concentration in the School of Business.

251–8 (4,4) Financial Accounting. Emphasizes corporate transaction analysis and impact on financial measures including manufacturing and funds flow. First term develops financial terminology and the double-entry, accrual basis model. Second term develops alternate measurement methods for assets and liabilities. Prerequisite: sophomore standing.

261–4 Management Accounting. Emphasis uses of accounting information in planning and control decisions through funds flow analysis, budgeting models, marginal analysis, variance analysis, and relevant costing procedures. Prerequisite: Mathematics 111A and 251B.

309–2 Individual Income Tax. Preparation of income tax returns. Federal income tax law as applied to individuals. Not open to those with a concentration in accounting.

315–4 Electronic Data Processing in Business. Modern data processing techniques and their business applications. Includes functions and limitations of existing data processing equipment and various input, output, storage, memory, and communication devices. Batch processing versus real time processing concepts, and introduction to programming and system analysis. Prerequisite: 261.

331–4 Tax Accounting. Study of accounting principles and procedures for meeting requirements of current laws and regulations which relate to federal income tax. Laboratory problems and preparation of tax returns with special emphasis on the individual taxpayer. Prerequisite: 261.

341–4 Cost Accounting. Interpretation and managerial implications of material, labor and overhead for job order, process and standard cost systems, cost-volume-profit relationships. Accounting for complex process production flows, joint and by-products, spoilage, defective units, and scrap. Reports to management. Prerequisite: 261.

351–8 (4,4) Intermediate Accounting. Further study of current accounting principles and procedures relating to various elements of financial reporting. Special emphasis on asset valuation, income determination, and alternative statement construction. Also, analysis and interpretation of statements; preparation and use of special statements. Must be taken in a,b sequence. Prerequisite: 261.

410–4 Accounting Concepts. Interpretation and critical analysis of reports,

statements and other accounting data from the viewpoint of users of financial information. For entering MBA students.

432-4 Problems in Federal Taxation. Study of income tax problems which arise from partnership, corporation, estate, and trust types of organization. Brief study of social security, federal estate, and gift taxes. Student does research in source materials in arriving at solutions of complicated tax problems. Prerequisite: 331.

442-4 Advanced Cost Accounting. Managerial control and profit planning through direct and relevant costing, return on investment, capital budgeting, inventory planning and control, subjective probabilities, statistical methods, and operations research. Nonmanufacturing costs, differential and comparative cost analysis. Prerequisite: 341.

453-4 Advanced Accounting. Advanced study of accounting principles and procedures relating to specialized topics, including partnership equity, installment and consignment sales, insurance, branch accounts, compound interest in relation to accounting practice, and preparation and use of consolidated statements. Prerequisite: 351-8.

455-4 Accounting for Public Organizations. Financial and managerial accounting concepts peculiar to the planning and administration of public and quasi-public organizations, such as governmental units, institutions, and charitable organizations. Includes the conventional budgetary-appropriation process, as well as some of the more recent accounting developments related to public decision making. Prerequisite: 261.

456-4 Auditing. Objectives, standards, and procedures involved in examining and reporting on financial statements of business organizations. Prerequisites: 331, 341, 351-8.

458-4 Accounting Systems. Accounting systems design and installation. Examination of existing systems and practice in systems design. Designing reports for management. Prerequisites: 341, 351-8.

459-4 Internship in Accounting. Supervised work experience in professional accounting. Prerequisite: outstanding record in accounting and recommendation of the committee on internship.

461-4 C.P.A. and Advanced Accounting Problems. Uses problems from the American Institute of Certified Public Accountants' examinations given in recent years and supplementary problems from selected sources. Prerequisite: 341 and 351b.

475-4 Budgeting and Systems. Study of concepts, methods, and tools used in the design of management information systems. A comprehensive budget program is developed to identify problems in coordinating and controlling business activities. Prerequisite: 261.

Aerospace Studies

<i>Professor</i> Colonel Edward C. Murphy	<i>Captain</i> Charlie W. Chastain
<i>Assistant Professors</i> Major Lawrence E. England	<i>Captain</i> Henry A. Staley

Course Descriptions

100-0 Corps Training. (a) Supervised training laboratory. Prerequisite to 101, 102, and 103. Conducted as an organized cadet corps. Designed to develop each student's leadership potential.

101-1 Evolution of Conflict. General military course. One hour lecture-discussion. Introduction to factors of national powers; nature of war; military institutions of the great powers; legislation, organization, and function of the department of defense.

102-1 United States Defense Organization. One hour lecture-discussion. Introduction to the history, missions, and organization of the U.S. Air Force. Surveys the history and development of U.S. strategic offensive and defense forces including their missions, functions, organization, and conventional nuclear weaponry.

103-1 United States Military Posture. One hour lecture-discussion. Surveys civil defense, aircraft and missile defense, concepts of present and projections of future strategic defense requirements.

200-0 Corps Training. (a) Training laboratory in support of and prerequisite to 201, 202, and 203. Conducted as an organized cadet corps. Designed to develop each student's leadership potential. Prerequisite: 101, 102, 103.

201-1 United States Military Forces. Study of United States general purpose

forces and how they support the United States commitment to Allied nations. Includes army, navy, and marine forces with emphasis on American tactical air power. Prerequisite: 101, 102, 103.

202-1 Aerospace Support Forces. Study of America's aerospace support forces, including airlift, research and development, logistics, education and training, and related supporting agencies. Prerequisite: 101, 102, 103.

203-1 Ideological Conflicts. Discussion of the conflict between totalitarian and democratic ideologies, including a historical analysis of Soviet and Red Chinese communism and the continuing struggle for peace through treaty organizations and international cooperation. Prerequisite: 101, 102, 103.

300-0 Corps Training. Training laboratory in support of and prerequisite to 301, 302, 303. Conducted as a cadet corps by 300 and 340 cadets. Designed to develop each student's leadership potential. Emphasis placed on Air Force customs and courtesies, drill and ceremonies, career opportunities in the Air Force, and the life and work of an Air Force junior officer.

301-3, 302-3, 303-3 Aerospace Studies 3. Professional Officer Course. Growth and development of aerospace power, the United States Air Force, astronautics and space operations, and the future development of aerospace power. Exercise of written and spoken communication skills. Prerequisites: satisfactory completion of the GMC or six week field training course.

340-0 Corps Training. Training laboratory in support of and prerequisite to 351, 352, and 353. Conducted as a cadet corps by 300 and 340 cadets. Designed to develop each student's leadership potential. Emphasis placed on Air Force customs and courtesies, drill and ceremonies, career opportunities in the Air Force, and the life and work of an Air Force junior officer.

351-3, 352-3, 353-3 Professional Officer Course. Aerospace Studies 4. Military leadership; professionalism as related to the Air Force; the military justice system; the theory and practice of management principles and functions with special reference to the Air Force and the junior officer. Participation in problem-situations and oral and written student assignments required. Prerequisites: 301, 302, and 303, or consent of PAS.

African Studies

The African Studies Committee can give information about the courses available and can also supply advice and assist research on African subjects with its bibliographical and documentary materials. Address the chairman of the committee, Department of Geography, Southern Illinois University, Carbondale, Illinois 62901.

Secondary Concentration

Core courses: GSB 356, 391; Anthropology 306c; History 349—18. A minimum of 10 hours from among GSD 210d,e,f; Agricultural Industries 417; Anthropology 470 (only when an African language is studied); Geography 465; Government 452; History 449; or 3 or 4 hours in reading courses on Africa sponsored by those departments represented on the African Studies Committee.

Suggested related courses are Anthropology 471a; Economics 422, 462; and Government 459.

Agricultural Education

In agricultural education, completion of a four year course of study leads to certification as a teacher of agricultural occupations. A student has the opportunity of specializing in one of the following areas: agriculture business, agricultural mechanization, ornamental horticulture, plant production, soil conservation, parks and recreation, forestry and conservation, and animal production. Courses in both the School of Agriculture and the College of Education are included. A student may receive the Bachelor of Science degree and take at least part of the additional courses at the graduate level to qualify to teach.

Bachelor of Science, SCHOOL OF AGRICULTURE

<i>General Studies Requirements</i> (Waive either GSB-3 or GSA-3.) . . .			83
Recommended GSA 101 and 102			8
Recommended GSB 201c			4
Recommended GSB 211a or Ag. Ind. 204			4
Recommended GSB 314 (technical agriculture)			3
Recommended GSD 107a,b, or Math 111a,b			8-10
<i>Requirements for Concentration in Agricultural Education</i>			72
	<i>Production</i> (applied biology and agriculture)	<i>Ag Occupations</i> (Specialty)	
Agricultural Industries 204, 350 (ag. economics)	12	9	
Agricultural Industries 412 (ag. mechanics)	12	12	
Animal Industries 121, 315	12	9	
Plant Industries 103, 301	12	9	
Option in Agriculture speciality ¹	—	18	
Other Agricultural electives	12	3	
Other electives ²	12	12	
<i>Professional Education Requirements</i>			33
Agricultural Industries 210, 309, 312			18
Two of the following: Agricultural Industries 311, Education Administration 355, Guidance 422a, Instructional Materials 417, Technical and Industrial Education 408			7
Guidance 305			4
Secondary Education 310			4
<i>Elective</i>			4
<i>Total</i>			192

¹ Agricultural Occupations Specialty. The student may select one of eight agricultural specialty options for major emphasis. Information about these specialties may be secured from an agricultural education counselor.

² These electives may be taken in the areas of guidance, occupational administration, special needs, and extension for greater breadth.

Agricultural Industries

<i>Professors</i> Herman M. Haag, Ph.D.	Eugene S. Wood, Ed.D.
W. E. Keepper, Ph.D.	<i>Assistant Professors</i> Theodore Buila,
William M. Herr, Ph.D.	Ph.D.
Walter J. Wills, Ph.D. (<i>Chairman</i>)	Donald Osburn, Ph.D.
<i>Associate Professors</i> Ralph A. Benton,	Lyle Solverson, Ph.D.
Ph.D.	<i>Instructors</i> William A. Doerr, M.S.
J. J. Paterson, M.S.	Thomas Stitt, M.S.

Work is offered in agricultural industries in two major specializations. (a) Agricultural business and economics and (b) agricultural mechanization. In specialization (a) there are two options: i 60 hours in agriculture and ii 48 hours in agriculture. The 60-hour option provides a broad training in agriculture. The 48-hour option provides secondary concentration in either economics or business.

In agricultural economics courses are offered in the following fields: farm management, farm credit, agricultural prices, agricultural marketing, cooperatives, and farm policy.

In farm mechanization courses are offered in four areas: farm power and machinery, rural electrification, farm structures, and soil and water conservation.

Bachelor of Science Degree, SCHOOL OF AGRICULTURE
Agricultural Economics

General Studies Requirements (Waive GSA or GSB-3.) 83
Requirements for Concentration in Agricultural Industries 109
Two options are available:

	60 HOURS	48 HOURS
GSB 314, Agricultural Industries 204	(7) ¹	(7) ¹
Agricultural Industries 350, 354	8	8
Other Agricultural Industries Courses ² ...	16	12
Animal Industries 121, 315	9	9
Plant Industries 109 and 301, 264 or Forestry 360	8	8
Electives in Agriculture	12	4
Total in Agriculture	(7) + 53	(7) + 41
Business and Economics Courses ²	16	24
GSB 201b or c	4	4
Mathematics, statistics, and accounting	4	12
Electives	32	28
Total		192

¹ GSB 314 may be used to meet General Studies requirements if GSA is waived. Agricultural Industries substitutes for GSB 211b.
² Courses required depend on option taken.

Agricultural Mechanization

<i>General Studies Requirements (Waive GSB 300.)</i>	83
<i>Requirements for Concentration in Agricultural Industries</i>	83
Agricultural Industries 204 ¹ , 215, 306a, 350, 373, 375, 473, 478	(4) + 27
Animal Industries 121, 315	9
Plant Industries 109, 301	9
Electives in Agriculture	11
Engineering Technology 102a, 363a	7
Business courses—Acct. 250, Marketing 363 and others	16
Electives	26
Total	192

¹ This course also meets General Studies requirements.

Course Descriptions

204-4 Introduction to Agricultural Economics. Agriculture in local and national economy; distribution; size and organization of the farm business units; policies affecting agriculture.
210-2 Introduction to Agricultural Education. An introduction to the history and philosophy of agricultural education.
215-4 Introduction to Farm Structures and Electrification. An introduction to the basic concepts of structures and electricity as they apply to agriculture. Includes farm structures, and farm electrification.
259-3 to 60 Technology in Agriculture. This is a designation for credit earned in technical or occupational proficiency when credit is to be established (by departmental evaluation) for work above the high school level. Prerequisite: transfer from two-year program.
306-5 (3,2) Soil and Water Conservation. (Same as Plant Industries 306.) (a) The study of the theoretical factors affecting soil erosion and excessive water

run-off, including practices of water management and soil conservation. Prerequisite: one course in soils. (b) Laboratory. Practical structural methods of controlling water run-off and soil erosion. Prerequisite: 306a or concurrent enrollment.

309-4 Agricultural Education. Methods of teaching agriculture in secondary schools. Take concurrently with 312 in a professional quarter. Field trip estimated cost \$5.00. Prerequisites: 311, and 48 hours in agriculture, Secondary Education 310.

310-4 General Agriculture. A survey of the agricultural field as it relates to the art and science of food and fiber production; problems in livestock and poultry production; soil and water management; and field crops, fruit, and vegetable production. No credit for Agriculture Majors.

311-3 Adult Education in Agriculture. Nature and scope of adult education in agriculture; methods of effectively working with adult and young farmer groups. Prerequisite: Guidance 305, junior standing.

312-12 Student Teaching in Agricultural Education. Teaching a complete program in agricultural occupations in an approved center. Taken concurrently with 309.

350-5 Farm Management. Measuring profits, principles, and practice in organizing and operating the business. Field trips estimated cost \$5.00. Prerequisites: 204 or GSB 211a.

351-4 Farm Financial Management. Analysis of the capital structure of agriculture and sources of capital. Credit analysis of farm business employing financial statements. Prerequisite: 350 or equivalent.

352-3 Agricultural Prices. Fluctuations in the general price level, causes and stabilization policies as they affect agriculture. Price determination including the measurement of supply and demand, elasticity, their application to price stabilization. Prerequisites: 354.

354-3 Agricultural Marketing. Marketing outlets for farm products, price determinants, agricultural market efficiency, margins, and costs. Prerequisite: 204 and GSB 211a.

359-3 to 5 Intern Program. Work experience program in either an agricultural agency of the government or agri-business. Prerequisite: junior standing.

373-5 Field Machinery and Power. Acquaints the student with the principles, operating adjustments, maintenance, and management of common farm power units and field machines. Prerequisite: GSA 101a,b and Mathematics 107a.

375-3 Basic Agricultural Mechanization. Selection and use of basic tools, equipment, and materials used in agricultural occupations. Includes shop organization and management. Prerequisite: GSA 101 a,b and Mathematics 107a.

381-1 to 2 Agricultural Seminar. (Same as Animal Industries 381, Forestry 381, and Plant Industries 381.) Discussions of problems in agriculture. Limited to senior students.

390-1 to 6 Special Studies in Agricultural Industries. Assignments involving research and individual problems. Field trips. Prerequisite: consent of chairman.

391-1 to 6 Honors in Agricultural Industries. Independent undergraduate research sufficiently important to require three hours per week of productive effort for each hour of credit. Prerequisite: junior standing, GPA of 4.0 with 4.25 in major, and consent of department chairman.

410-2 to 4 Problems in Agricultural Services. Discussion, assignments, and special workshops on problems related to in-service training programs in the agriculturally related fields. Development of more effective programs in working with farm people. Prerequisite: graduate student in agricultural services or consent of instructor.

411-3 Agricultural Extension. A study of the history, organization, objectives, programs, and methods of agricultural extension work. Prerequisite: junior standing.

412-4 Principles of Agricultural Mechanization. Theory and use of remote controls, electric motors, survey kits, and other devices adaptable to the needs and interests of educators involved in agricultural mechanization laboratories. Prerequisite: Secondary Education 310.

417-4 Agricultural Development in Emerging Countries. Principles and practices in improving agriculture in areas with limited capital and low levels of technology. Special emphasis on developments in Asia, Africa, and South America. Prerequisite: 204 or GSB 211a.

418-3 Marketing Practices and Problems in Developing Countries. Types of

markets, assembly of products, storage, transportation, quality determination, and pricing practices which are peculiar to the developing countries. Market organization and practices for the major export products and the principal domestic foods and fibers in such countries. Methods of progressively improving such markets. Prerequisite: 354 or Economics 215.

450-4 Advanced Farm Management. Methods of analyzing farm enterprises, comparing farm businesses, allocating farm resources, combinations of enterprises, and production factors. Field trip estimated cost \$5.00. Prerequisite: 350.

456-11 (3,2,2,2,2) Agricultural Marketing Problems and Practices. (a) Cooperatives. Development of the agricultural cooperative movement, agricultural cooperative organization, legal requirements, principles and practices of agricultural cooperative associations. (b) Livestock. Problems and their solutions in marketing livestock. (c) Field Crops. Problems and their solutions in marketing field crops. (d) Dairy and Poultry. Problems and their solutions in marketing dairy and poultry products. (e) Horticultural crops. Problems and their solutions in marketing horticultural crops. Field trips cost \$5. Prerequisites: 354 or consent of instructor.

471-4 Land Resource Economics. (Same as Forestry 471 and Economics 471.) The use of land as an economic variable in production of goods and services; land markets; group versus individual conflicts; elementary land resources planning techniques. Field trips. Prerequisite: 350 or Forestry 470.

473-4 Advanced Agricultural Power Systems. Advanced treatment of engine, mechanical, and electrical analysis, and hydraulics and engine testing. Prerequisite: 373 or equivalent.

478-4 Agricultural Materials Handling Systems. Arrangement of feed handling, storage, and processing systems for agricultural products. Includes cleaning, sorting, and drying. Prerequisite: 215, 350, or equivalent.

482-3 Seminar-Research-Work Experience on International Agricultural Problems. Weekly two-hour discussion period on methods by which foreign students can adapt information and training obtained in U.S. oriented courses to the solution of important agricultural problems in their home countries. Supplemented by work experience and research on the University farms, in laboratories, and in the library.

485-3 Principles and Philosophies of Vocational and Technical Education. (See Technical and Industrial Education 485.)

505-3 Agricultural Industries Research Methods.

512-3 to 6 Agricultural Occupation Internship.

520-1 to 6 Readings.

520b-1 to 6 Readings in Resource Economics.

525-3 Interrelated Vocational Cooperative Education.

550-4 Production Management.

552-2 Advanced Agricultural Prices.

554-4 Advanced Agricultural Marketing.

575-1 to 6 Research.

581-1 to 6 Seminar.

599-2 to 9 Thesis.

Agriculture, General

General agriculture, intended for students seeking broad backgrounds in agriculture, is probably the best agricultural plan for students who have not chosen a professional area for emphasis.

Students gain basic preparation for many of the agricultural careers: general farming, agricultural services, agricultural extension, agricultural communications, agricultural business, agricultural industry, and agricultural production. Students who initially enroll in general agriculture may transfer to other agricultural areas of concentration or they may continue in general agriculture and select courses from various fields.

Bachelor of Science Degree, SCHOOL OF AGRICULTURE

<i>General Studies Requirements</i> (Waive GSA or GSB-3.)	83
<i>Requirements for Concentration in General Agriculture</i>	60
Agricultural Industries 204, or 350, or 354, and others	12
Animal Industries 121, 315, and others	12

Forestry or Agricultural Industries (Mechanization)	3-5
Plant Industries 301, 264 or 109, and others	12
Electives in agriculture	19-21
<i>Electives</i>	49
<i>Total</i>	192

Animal Industries

<i>Professors</i> Scott W. Hinners, Ph.D.	Louis E. Strack, D.V.M.
Germain B. Marion, Ph.D. (<i>Chairman</i>)	George H. Waring, Ph.D.
Howard H. Olson, Ph.D.	<i>Assistant Instructors</i> Howard F. Benson, B.S.
Alex Reed, Ph.D.	Ronald Carr, B.S.
<i>Associate Professors</i> Bill L. Goodman, Ph.D.	Robert Francis, B.S.
W. G. Kammlade, Jr., Ph.D.	Russell Snyder, B.S.
<i>Assistant Professors</i> Howard W. Miller, Ph.D.	<i>Lecturer</i> Marshall G. Clark, M.S. (<i>Emeritus</i>)

Instruction, research, demonstration, and/or consultation are provided in dairy, horse, livestock and poultry production, animal behavior, meats, laboratory animal science and veterinary science. Courses are offered in all phases of animal production and management.

The student has opportunity to select courses in other areas of agriculture or related fields, such as business, biology, or physical sciences. This selection allows the student to include in his studies the agronomic, agricultural economic, and agricultural engineering phases of agriculture, pre-veterinary medicine, or business as related to animal production.

Bachelor of Science Degree, SCHOOL OF AGRICULTURE

	Production	OPTIONS Science	Business
<i>General Studies and substitutes</i> ¹	84	87	84
<i>Requirements for Concentration in Animal Industries</i>	67	64	79
Animal Industries 121, 315, 332, 381, and either 311a or 318	16-17	16-17	16-17
Animal Industries electives	31-32	19-20	19-20
Agricultural electives (excluding Animal Industries)	12	12	12
Chemistry 240 or equivalent	4	0	4
Chemistry 121b, 305a or equivalent	0	10	0
Science electives (excluding GSA)	3	6	3
Business courses (Accounting 250, Management 301 or 340, Marketing 301, or Agricultural Industries 354)	0	0	11-12
Business electives (Excluding GSB)	0	0	12-13
<i>Electives</i>	41	41	29
<i>Total</i>	192	192	192

¹ Substitute Chemistry 110 or equivalent for GSA 101b in production and business options; substitute Chemistry 121a for GSA 101b in science option. Mathematics 111a,b are required for science option. GSA 301 is required.

Course Descriptions

121-5 Animal Science. Animal industry as related to human needs.

259-3 to 60 Technology in Agriculture. This is a designation for credit earned in

technical or occupational proficiency when credit is to be established (by departmental evaluation) for work above the high school level. Prerequisite: transfer from two-year program.

311-7 (2 or 3,2,2) Evaluation and Selection of Farm Animals and Animal Products. (a) Comparative selection and evaluation of livestock and poultry and their products. (b) Grading and selection of breeding and producing meat animals, dairy or poultry. (c) Comparative grading and selection of live animals and evaluation of products. Those with interest in livestock or poultry must take in a, b, c, sequence, while those interested in dairy must take in b, c, sequence. Prerequisite: 121, 311b, or 318 or consent of instructor.

315-4 Feeds and Feeding. Principles of domestic animal nutrition and feeding. Balancing rations. Prerequisite: 121.

318-3 Meat, Animal, and Carcass Evaluation. Carcass quality, grade and cutability of beef, pork, and lamb as related to consumer acceptance characteristics to include meat color, texture, firmness, tenderness, and palatability. The influence of live animal value on yield of trimmed retail cuts. Prerequisite: 121 and concentration in animal industries.

319-3 Horses. Types, breeds, selection, use, care, and management of saddle and draft animals. Field trip. Prerequisite: 315 or consent of instructor.

321-4 Processing and Grading of Poultry Products. Skills required in price determination, processing, grading, storage, merchandising, and distribution of poultry products. Prerequisite: 121.

327-4 Poultry Management. Principles and practices of incubation, brooding and rearing, and disease prevention, control, and diagnosis. Prerequisite: 121.

332-4 Animal Breeding and Genetics. The application of the basic principles of genetics and breeding systems to the improvement of farm animals. Prerequisites: 121; GSA 201b or equivalent.

337-4 Animal Hygiene. Contagious, infectious, and nutritional diseases and parasites of animals; their prevention and control. Field trip. Prerequisites: 121.

359-3 to 5 Intern Program. Work experience program in either an agricultural agency of the government or agri-business. Prerequisite: junior standing.

381-1 to 2 Agricultural Seminar. (Same as Agricultural Industries 381, Forestry 381, and Plant Industries 381.) Discussions of problems in agriculture. Limited to junior and senior students.

390-1 to 6 Special Studies in Animal Industries. Assignments involving research and individual problems. Approval of department chairman required. Juniors and seniors only.

391-1 to 6 Honors in Animal Industries. Independent undergraduate research sufficiently important to require three hours per week of productive effort for each credit hour. Prerequisite: junior standing, GPA of 4.0 with a 4.25 in the major and consent of departmental chairman.

415-8 (4,4) Animal Nutrition. (a) Physical and chemical properties of nutrients and their uses and principles involved in determination of nutrient requirements. (b) An integration of the basic facts concerning the nature of nutrients and their metabolism. Must be taken in a,b sequence. Prerequisite: 315 and organic chemistry or equivalent.

420-4 Commercial Poultry Production. Broilers, layers, and turkeys as adapted to poultry specialty farms. Field trips. Prerequisite: 121.

421-3 Animal Production in Developing Countries. World animal production, practices, and institutions which affect productivity. The adaptability of animals to serve mankind. Prerequisite: one year biological science.

430-4 Dairy Cattle Breeding and Management. Application of principles of breeding, nutrition, and physiology to the management of the dairy herd. Field trip required. Prerequisite: 332.

431-4 Reproductive Physiology of Domestic Animals. Comparative physiology of reproduction in farm animals and the principles of artificial insemination. Prerequisite: 121.

432-3 Quantitative Inheritance of Farm Animals. A review of the principles underlying the influence of mutation, selection, migration, and random drift in animal breeding populations; estimation and interpretation of heritabilities and genetic correlations; effects of variances of quantitative traits of farm animals. Prerequisite: 332.

433-3 Dairy Cattle Nutrition. Application of the latest knowledge of digestion and metabolism in ruminants, and their nutritional requirements to dairy herd feeding. Prerequisite: 315.

434-3 Physiology of Lactation. Anatomy of the mammary gland, hormonal

control of development and secretion, milk synthesis, physiology and mechanics of milking. Prerequisite: organic chemistry and physiology.

456-4 (2,2) Agricultural Marketing Problems and Practices. (b) Livestock. Problems and their solutions in marketing livestock. (d) Dairy and poultry. Problems and their solutions in marketing dairy and poultry products. Prerequisites: GSB 211a, Agricultural Industries 354 or consent of instructor. (See also Agricultural Industries 456.)

465-4 to 5 Swine Production. Breed selection, breeding, feeding, management, and marketing of swine. Field trip. Prerequisites: 315, 332.

480-4 Sheep Production. Breeding, feeding, and management of sheep. Field trip. Prerequisites: 315, 332, 431.

485-4 Beef Production. Breeding, feeding, and management of beef and dual-purpose cattle. Field trip. Prerequisites: 315, 332, 431.

487-4 Commercial Livestock Feeding. Consideration of principles and problems in fattening beef cattle and sheep for market. Field trip. Prerequisites: 315 and organic chemistry.

502-3 Surgical Research Techniques in Farm Animals.

505-8 (4,4) Research Methods in Agricultural Science.

520-1 to 6 Readings in Animal Industries.

525-4 Advanced Poultry Production.

530-4 Advanced Dairy Production.

565-4 Advanced Swine Production.

575-1 to 6 Individual Research.

579-4 Animal Behavior.

581-1 to 6 Seminar.

599-2 to 9 Thesis.

Anthropology

<i>Professors</i> Philip J. C. Dark, Ph.D.	Bruce B. MacLachlan, Ph.D.
J. Charles Kelley, Ph.D.	<i>Assistant Professors</i> D. Lee Guemple,
Charles H. Lange, Ph.D. (<i>Chair-</i>	Ph.D.
<i>man</i>)	Joel M. Maring, Ph.D.
Robert L. Rands, Ph.D.	Jon D. Muller, Ph.D.
Walter W. Taylor, Ph.D.	<i>Instructor</i> Marie Doenges, M.A.
Carroll L. Riley, Ph.D.	
<i>Associate Professors</i> Milton Alt-	<i>Adjunct Professor</i> Adrianus A. Ger-
schuler, Ph.D.	brands, Ph.D.
Jerome S. Handler, Ph.D.	

All the major divisions of anthropology are covered, viz. archaeology, ethnology, social anthropology, linguistics, and physical anthropology. Faculty members of the department have had field experience in North, South, and Central America, the Caribbean, Europe, Africa, and the Pacific. Faculty specialization and field experience in northern Mexico are especially strong. Emphasis is also given to the anthropology of Southern Illinois with special attention to archaeological studies.

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (Waive GSB-3. Includes GSD 107-8.)	83
<i>Supplementary Two Years College Requirement in FL/Mathematics</i>	
FL: GSD FL-9 and FL 201-9	18
<i>Requirements for Concentration in Anthropology</i>	64
Anthropology 300 or 402, 303 304, 9 hours from 305 and/or 306,	
401 or 413, 404, 405, 408, 409, and 10-11 hours of electives at	
the 400-level in Anthropology	46
Eighteen hours from at least three of the following: geography,	
geology, philosophy, psychology, sociology, and zoology	18
Secondary concentration	24
<i>Electives</i>	3
<i>Total</i>	192

Students are expected to familiarize themselves with the contents of certain basic anthropological publications, whether these fall within the required courses or not. A list of these publications will be provided, and the student is expected to work out a reading course of study under the supervision of his adviser.

SECONDARY CONCENTRATION

A secondary concentration in anthropology consists of 300, 304, 6 hours of 305a,b, or c, or 306a,b, or c, 400, 409, and 6 hours of electives in courses above the 300 level. GSB 102a-4, or anthropology 275d-4, or consent of instructor is required to enroll in 300-level courses or above.

Course Descriptions

250-3 Introductory Anthropology. Subfields, interdisciplinary nature, scientific methodology, and application of anthropology.

275-2 to 24 (2,2,2,2 to 18) Individual Study. (a) Africa, (b) Asia, (c) Latin America, (d) general. Anthropological topics are studied on an individual, or other, basis not provided by GSB 102a-4. The academic work may be done on the campus or in conjunction with approved off-campus (normally field research) activities. Prerequisite: consent of department.

300-3 Physical Anthropology. Man as a biological being, his relationships to other living things. Human origins and development. Concept of race and the races of mankind. Human genetics and normal human variation. Prerequisite: 250 or equivalent.

303-3 Old World Prehistory. A survey of man's earliest cultural beginnings. Paleolithic and Neolithic periods in Europe, Africa, the Near East, and Asia. Prerequisite: 250 or equivalent.

304-3 The Origins of Civilization. A study of the complex environmental and cultural factors that led to the rise and fall of early high-cultures in both the Old and New Worlds. Prerequisite: 303.

305-9 (3,3,3) Peoples and Cultures of the World I. The biological and cultural history of man in (a) North America, (b) Asia, and (c) Oceania from early times to the present. Prerequisite: 250 or equivalent.

306-9 (3,3,3) Peoples and Cultures of the World II. The biological and cultural history of man in (a) South America, (b) Europe, and (c) Africa from early times to the present. Prerequisite: 250 or equivalent.

400-4 Man and Culture. The nature of culture and cultural process. Relationships of culture and man as an individual and as a group. Emphasis on "the anthropological point of view." Prerequisite: 250 or equivalent.

401-4 Language in Culture. Language as a part of culture. Linguistics and the study of culture. Prerequisite: 250 or equivalent.

402-3 Human Biology: The Interaction of Biological and Cultural Behavior. The viewing of man as to his zoological position, genetics, past and present; and the biological bases for his unique behavior in the animal world, i.e., cultural behavior. Prerequisite: 250 or equivalent.

403-3 General Archaeology. Theory and methodology. The basic concepts underlying anthropology interpretations of man's past. Prerequisite: 250 or equivalent.

404-4 Primitive Art and Technology. The development of man as a tool-using and art-loving being. Artistic and technological traditions of non-Western peoples, past and present. Prerequisite: 250 or equivalent.

405-3 Social Anthropology. A comparative approach to the organizational features of human groups. Functional aspects and distributions of kinship, political, religious, and economic systems. Prerequisite: 250 or equivalent.

407-3 General Ethnology. Ethnology as a major sub-field of anthropology, including interest in ethnohistorical studies as well as the more traditional aspects of the field. Prerequisite: 250 or equivalent.

408-3 History of Anthropological Thought. The growth of anthropology as an academic discipline to about 1940, with emphasis upon the concepts and ideas since 1860. Prerequisite: 250 or equivalent.

409-3 Applied Anthropology. The applications of anthropological principles to the solution of problems of the modern world. Contributions of anthropology to the work of the educator, social worker, administrator, business man, government official, and other specialists dealing with man in Western and non-Western cultures. Prerequisite: 250 or equivalent.

- 413-3 Introduction to General Linguistics.** A study of language theory, classification, and change. Prerequisite: 250 or equivalent.
- 415-3 Logic of the Social Sciences.** (Same as Philosophy 415.) Logical and epistemological examination of the social studies as types of knowledge. Basic problems in philosophy of science with major emphasis upon social science; relationship of theory to fact, nature of induction, nature of causal law, testability, influence of value judgments, etc. Intended for students with considerable maturity in a social science or in philosophy.
- 418-4 Languages of the World.** A description of typological and genetic (historical) relationships among languages of the world with emphasis on comparative phonology and grammatical structure in time and space. Prerequisite: 250 or equivalent.
- 430-3 Archaeology of North America.** Introduction to methods of archaeology and survey of prehistoric Indian cultures north of Mexico, with emphasis on cultures of the Mississippi Valley. Prerequisite: 6 hours 300-level courses in anthropology.
- 441-3 Comparative Economics.** A comparative study of economic systems, with emphasis upon those found in primitive societies. Studies of systems which fall outside the conventional systems such as capitalism, socialism, and fascism. Prerequisite: 250 or equivalent.
- 442-3 Comparative Folklore.** A comparative study of the role of folklore in various cultures of the world, with emphasis upon non-literate societies. Analysis of motifs, themes, and other elements; comparisons between non-literate and literate groups. Prerequisite: 250 or equivalent.
- 443-3 Comparative Law.** Legal premises upon which societies are based; systems of the non-literate world; case studies of instances where these systems come into contact with those of literate, technologically advanced cultures. Prerequisite: 250 or equivalent.
- 444-3 Comparative Religion.** Comparative study of religious systems, with emphasis upon those of non-literate societies. Examination of basic premises and elements of these belief systems, normally excluded from discussions of the "Great Religions." Prerequisite: 250 or equivalent.
- 470-9 (3,3,3) Special Studies of World Languages.** Specific languages or language families with intensive studies of structure. Any one quarter will concentrate on language of a major geographical area. Prerequisite: 413 or English 400.
- 471-6 (3,3) Ethnomusicology.** Theory, method, and form. Selected geographical areas. (a) Oceania, Asia, and Africa. (b) Middle East, Europe, and the New World.
- 483-1 to 18 Individual Study in Anthropology.** Guided research upon anthropological problems. Students should consult the chairman before enrolling. Prerequisite: 250 or equivalent.
- 510-3 to 9-Seminar in New World Archaeology.**
- 511-3 to 9 Seminar in Mesoamerican Archaeology.**
- 512-3 to 9 Seminar in Old World Archaeology.**
- 520-3 to 9 Seminar in the Ethnology of the New World.**
- 521-3 to 9 Seminar in the Ethnology of Mesoamerica.**
- 522-3 to 9 Seminar in the Anthropology of Oceania.**
- 523-3 to 9 Seminar in the Anthropology of Africa.**
- 524-3 to 9 Seminar in the Anthropology of Europe.**
- 535-3 to 9 Seminar in Physical Anthropology.**
- 545-3 to 9 Seminar in Linguistics.**
- 550-3 to 9 Seminar in the Cultures of Latin America.**
- 560-3 to 9 Seminar in Comparative Social Organization.**
- 562-3 to 9 Seminar in the Anthropology of Contemporary Peoples.**
- 565-3 to 9 Seminar in Cultural Change and Development.**
- 567-3 to 9 Seminar in Anthropological Theory and Method.**
- 570-3 to 9 Seminar in Art and Technology.**
- 575-3 to 9 Seminar in the Individual and Culture.**
- 581-3 to 9 Seminar in Anthropology.**
- 582-1 to 27 Problems in Archaeology.**
- 584-1 to 27 Problems in Cultural Anthropology.**
- 585-1 to 27 Readings in Anthropology.**
- 595-6 (3-3) Field Methods in Ethnology.**
- 596-6 (3-3) Field Methods in Archaeology.**
- 597-1 to 27 Fieldwork in Anthropology.**
- 599-1 to 9 Thesis.**
- 600-1 to 48 Dissertation.** (No more than 18 hours in any quarter).

Applied Science

Course Descriptions

300-5 University Physics IV. (See Physics 300)

323-3 Introduction to Computer Science. Historical development of computers. Logical basis of computer structure; machine representation of numbers and characters; number systems. Current and prospective developments in computer hardware and software. Survey of special purpose computer usage including information retrieval, heuristics, simulation, file manipulation, sorting, and "total information systems." Prerequisite: Engineering 222, or Mathematics 225, or Management 455 and Mathematics 111.

401-12 (4,4,4) X-Ray Crystallography. (a) Introductory Crystallography. Lattice theory of the crystal. Miller indices. Crystal zones. The Bravais lattices. Symmetry elements. Proper and improper rotations. Point groups: crystal classes. Operators involving translation. Space groups. Elements of crystal structure. Coordination. Structure types. (b) X-Ray Diffraction Techniques. X-ray diffraction by single crystals: fundamental equations. Reciprocal lattice and Ewald sphere. Optical analog: The optical diffractometer. Single crystal photographic methods: the Laue method: rotating and oscillation, Weissenberg, Buerger-precession and Jong-Bourman. Divergent and convergent-beam techniques. Interpretation of the x-ray diagrams. Diffractometric methods; fundamentals. Identification of polycrystalline materials with x-ray diffractometer (power method). Single crystals diffractometry. Absolute intensity measurements. (c) Crystal Structure Analysis. Fundamental diffraction relations. Determination of the cell size, chemical formula, symmetry and space group. Measurement of intensities: geometrical and physical factors affecting intensities. The structure factor; phase of the structure factor. The anisotropic temperature factor. Fourier synthesis. Electron-density projections. The phase problem. Utilization of anomalous dispersion. Direct determination. The Patterson method. Refinement of the structure with high speed computers.

410-8 (4,4) Electronics and Instrumentation for the Life Sciences. (a) Review of electrical theory and electrical aspects of biological systems; introduction to circuit analysis; fundamentals of instrumentation, primarily electronic; laboratory. (b) Transducers and characteristics of instruments used in biological research; basic computer and data-system theory and applications; analysis of biological waveforms; simulation of biological systems; laboratory.

418-3 Digital Computers in Research. Computational techniques for matrix inversion, solution of linear equations, and characteristic roots and vectors; least squares analysis, curve-fitting, and regression; design of experiment; solution of nonlinear equations; min-max functional approximation techniques; generation of approximate solutions, Monte Carlo techniques. Prerequisite: Engineering 222 and Mathematics 150a.

421-3 Programming Languages. A study of the development and use of programming languages for high speed stored program digital computers. Included are problem-, procedure-, and machine-oriented languages, symbolic languages, interpretive systems, macro assemblers, and list processors. A comparison of the languages will be made and each student will prepare programs using the languages studied. Prerequisite: Engineering 222, Mathematics 225 or consent of instructor.

422-3 Programming Systems. The use and methods of electronic data processing systems. Topics are searching, ordering, codifying, information retrieval, process control, executive routines, and heuristic programming. The student will apply system techniques for solution of problems using one or more of the available high speed digital computers. Prerequisite: Engineering 222 or Mathematics 225 or consent of instructor.

430-2 to 8 Special Problems. Special opportunity for students to obtain assistance and guidance in the investigation and solution of selected technical problems. Prerequisite: consent of coordinator.

431-9 (3,3,3) Nuclear Science. An introductory course to provide a background for further work in Nuclear Science. Lectures and problems in radioactivity and the uses of radio isotopes, nuclear engineering, introductory reactor theory, and use of an analog computer in solving problems of neutron transport and reactor kinetics. Prerequisites: 300 and Mathematics 252b.

432-3 Nuclear Laboratory. Health physics instruments; characteristics of alpha, beta, and gamma rays; radioactive decay; counting statistics; fundamental neutral experiments. Prerequisite: 300 or Physics 300.

470-6 (3,3) Engineering Analysis. (a) Basic vector field theory; transformation theorems. Methods of solution for basic ordinary differential equations with applications to engineering systems. Prerequisite: Mathematics 252b
(b) Basic methods of solution for partial differential equations with emphasis on applications of the Laplace, Poisson and heat equations to engineering problems. Basic complex variables, matrix theory, numerical analysis and simulation techniques applied to engineering systems. Prerequisite: 470a or Mathematics 305a.

501-16 (4,4,4,4) Materials Science.

503-12 (4,4,4) Physical Properties of Crystalline Materials.

504-12 (4,4,4) X-Ray Diffraction and the Solid State.

521-6 (3,3) Design of Automatic Programming Language Processors.

522-6 (3,3) Programming Systems Design.

530-3 Nuclear Processing.

570-2 to 6 Special Investigations.

580-1 to 9 Seminar.

599-1 to 9 Thesis.

Art

Professors Burnett H. Shryock, Sr.,
M.A.

Herbert L. Fink, M.F.A. (*Chairman*)

Associate Professors Brent Kington,
M.F.A.

Lula D. Roach, M.A. (*Emerita*)

Milton Sullivan, M.A.

Nicholas Vergette, AID

Assistant Professors Roy Abrahamson,
Ed.D.

Lawrence Bernstein, M.F.A.

Violet B. Hill, M.A.

Thomas Walsh, M.F.A.

Lecturer Evert Johnson, M.A.

Undergraduate offerings in art provide introductory and specialized experiences. The course of study offered, leading toward the Bachelor of Arts degree in art, requires 111 hours in art with an emphasis on a professional degree.

Candidates for the Bachelor of Arts degree may select specializations in painting, sculpture, printmaking, drawing, metalsmithing, ceramics, weaving, or art education. Electives, courses outside of degree requirements, are provided so that the student may encounter additional areas of concern beyond his concentration.

The University reserves the right to withhold an example of the work of each student in each class. Such works become a part of a permanent collection from which exhibitions may be prepared.

The department is staffed by a faculty of artist-teachers, many of whom have national reputations resulting from their participation in major exhibitions and invitational shows throughout the country. There is also an *Artist-in-Residence* program which annually invites internationally known artists to teach, exhibit, and lecture. The student can expect to receive excellent training in all of the applied and theoretical branches of art.

No undergraduate student will be allowed to take any one course, in the Department of Art, for more than four hours of credit in a given quarter without permission from the chairman.

A student who expects to elect the studio or the studio-crafts specialization must have the approval of the faculty of the Department of Art. His past work will be evaluated and he must give evidence of the necessary level of competence to pursue this program. Students who do not meet this criterion may elect the specialization in art education or art history-aesthetics in the School of Fine Arts.

Secondary Concentration

A total of 24 hours constitutes a secondary concentration. A total of 12 hours must be taken in Art 100. The student then may elect to take any Art 200 or Art History 225 offerings. He also may elect to take any 300-level craft course to complete the 24 hour requirement.

Bachelor of Arts Degree, SCHOOL OF FINE ARTS

A student concentrating in art should select one of the following fields of specialization by the end of his sophomore year: painting, prints, sculpture, drawing, metalsmithing, ceramics, weaving, and art education. He must complete a minimum of 18 hours in art history, unless he specializes in art education.

Studio

General Studies Requirements (Waive GSC-3.)	84
Requirements for Concentration in Art	111
Art 100, 200	24
Art 225, electives in art history	18
Art drawing 341-8	8
Art electives	29
Art specialization	32
Drawing-341, 441, 442	
Painting-320, 401, 406	
Prints-358, 410, 416	
Sculpture-393, 405, 493	
Total	195

Studio Crafts

General Studies Requirements (Waive GSC-3.)	84
Requirements for Concentration in Art	111
Art 100, 200	24
Art 225, electives in art history	18
Art electives	37
Art specialization	32
Metalsmithing-332, 430, 436	
Pottery-302, 420, 426	
Weaving-385, 440, 446	
Total	195

Art Education

General Studies Requirements (Waive GSC-3.)	84
Requirements for Concentration in Art (Education)	88
Art (studio) 100, 200, 302, 332, 385	36
Art (history) 225, GSC 340, 341, 342	15
Art (education) 365, 307, 308	10
Art Studio or Craft Minor	24
Professional Education Requirements	28
Guidance 305	4
Secondary Education 310, 352	16-20
Education Electives	4
Total	197

Art History—Aesthetics

<i>General Studies Requirements</i> (Waive GSC-3.)	84
<i>Requirements for Concentration in Art (History-Aesthetics)</i>	63
GSD Foreign Language	9
Art 100	12
Art Studio Elective	6
Art History-Aesthetics 225, GSC 340, 341, 342	18
Art 447, 448, 449, 482, 483, to total 18 hours in any combination	18
Secondary Concentration	24
<i>Electives</i>	21
<i>Total</i>	192

Course Descriptions

Art Education Courses: 300, 306, 307, 308, 365, 408, 460, 466, 560, 566, 599.

Art History Courses: 225, 309, 345, 346, 347, 348, 349, 350, 356, 369, 380, 445, 449, 471, 473, 475, 482, 483, 571, 573, 599.

Studio Courses: 100, 200, 302, 325, 332, 341, 358, 385, 393, 400, 401, 404, 405, 406, 410, 416, 420, 426, 430, 436, 440, 441, 446, 493, 501, 502, 504, 506, 511, 516, 520, 526, 530, 540, 546, 599.

100-5 to 15 (5,5,5,5,5,) Basic Studio. A studio course in visual fundamentals emphasizing the ways in which art may be structured. (a) Sculpture-crafts. (b) Crafts-sculpture. (c) Painting-graphics. (d) Graphics-drawing. (e) Drawing-painting.

200-12 (4,4,4) Studio Disciplines. Disciplines in drawing, painting, and sculpture. (a) Sculpture. (b) Drawing. (c) Painting. Prerequisite: 100-15.

225-9 (3,3,3) Introduction to Art History. The student is acquainted with the nature of art as a human activity in order to gain an understanding of its significance now and in the past through three distinct sequential courses: (a) the nature of visual art and history, (b) classification of art in major historical periods, and (c) representative problems in the history of art.

300-12 (4,4,4) Art Education. Theory and practice of art activities in the elementary schools. Designed for elementary education students.

302-12 (4,4,4) Pottery. (a) Beginning pottery, (b) Intermediate pottery, (c) Advanced pottery. Must be taken in a,b,c sequence. Prerequisite: 12 hours 100-level courses.

307-3 Theory and Philosophy of Art Education. Survey of art education theory providing the art education student with an introduction to theoretical studies in his field, and through scheduled observation visits to art classes at the University School, with the problems of relating theory to practice.

308-3 Curriculum and Administration in Art Education. Provides experience in dealing with problems of planning, organizing, introducing, and administering art curricula in grade and high school. Includes comparative study of published material and preparation of a working file on the subject.

309-3 Oriental Art. A survey of Asiatic arts.

320-12 (4,4,4) Oil Painting Techniques. (a) Beginning painting. (b) Intermediate painting. (c) Advanced painting. Must be taken in a,b,c sequence. Prerequisite: 200c.

325-2 to 15 Studio. No more than 4 hours per quarter. Prerequisites: 8 hours in medium of choice (except where such courses do not exist) and consent of instructor.

332-12 (4,4,4) Jewelry and Metalsmithing. (a) Beginning jewelry and metalsmithing. (b) Intermediate jewelry and metalsmithing. (c) Advanced jewelry and metalsmithing. Must be taken in a,b,c sequence. Prerequisite: 12 hours 100-level courses.

GSC 340 Art of the Nineteenth Century. A survey of modern art history from the French Revolution to the present: (a) art from the beginning of the Romantic period through Impressionism, (b) post impressionism and the early 20th century, and (c) art since the First World War.

340-9 (3,3,3) Art of the 19th and 20th Centuries. A survey of modern art

history from the French revolution to the present. (a) Art from the beginning of the Romantic period through Impressionism. (b) Post Impressionism and the early 20th century. (c) Art since the first world war. Prerequisite: 225.

341-2 to 12 Drawing.

350-6 (3,3) American Art. A survey of American painting, sculpture, and architecture from the early 18th century to the present.

356-3 Theory of Art.

358-2 to 12 Prints. Introduction to printmaking as a medium. Studio projects in intaglio, relief, and planographic processes.

365-4 Art Education Methods for Elementary and Secondary Schools. For students who will teach art in elementary and secondary schools. Included are: readings and discussion of literature, lesson planning, observation-participation programs in local schools, and studio projects designed to develop understanding of artistic and technical needs of children and adolescents. Prerequisite: 100.

369-3 Primitive Art. A study of the arts of "Primitive" peoples of Africa, the Pacific, and the Americas. Characteristic works are interpreted in context with the general conditions of primitive society. The significant influences of primitive art on modern painting and sculpture are considered.

380-4 Theory and Appreciation of Art.

385-12 (4,4,4) Weaving. (a) Beginning weaving. (b) Intermediate weaving. (c) Advanced weaving. Must be taken in a,b,c sequence. Prerequisite: 12 hours 100-level courses.

393-4 to 12 Sculpture. Problems in modeling, carving, casting and construction. Prerequisite: 200-12.

401-2 to 12 Research in Painting.

405-2 to 12 Studio in Sculpture.

406-2 to 12 Studio in Painting.

408-4 Art Education for Elementary Teachers II.

410-2 to 12 Research in Prints.

416-2 to 12 Studio in Prints.

420-2 to 12 Research in Pottery.

426-2 to 12 Studio in Pottery.

430-2 to 12 Research in Metal Construction.

436-2 to 12 Studio in Metal Construction.

440-2 to 12 Research in Weaving.

441-2 to 12 Studio in Drawing. Prerequisite: 341-12.

442-2 to 12 Studio in Drawing. Prerequisite: 341-12.

445-9 (3,3,3) Modern Art. (a) 19th century, (b) Early 20th century (c) Mid 20th century.

446 2 to 12 Studio in Weaving.

447a-3 The Art of Ancient Egypt and The Near East. A survey of principal monuments and archeological evidence relevant to an appraisal of the origins and development of art in the early civilizations of Africa, Western Asia, Europe, and the Aegean from prehistoric times to the rise of the Persian Empire.

447b-3 The Art of Ancient Greece. A study of the origins, development and influence of art produced in Greece and its colonies from the Bronze age to the Roman Empire.

447c-3 The Art of the Ancient Romans. An appraisal of the natural culture and art of the Roman civilization, its debt to other ancient civilizations and achievements in architecture, sculpture and painting from its foundation until the reign of Constantine.

448a-3 Early Christian and Byzantine Art. A survey of problems related to art and architecture produced in Christian communities and under the aegis of the Byzantine Empire until the fall of Constantinople.

448b-3 Early Medieval and Romanesque Art. A study of the development of architecture and art in Europe from the fall of the Roman Empire to the formulation of the Gothic style.

448c-3 Gothic Art. A survey of major developments in Architecture, Sculpture and Painting in Europe from the earliest formulation of Gothic style to its decline in the Renaissance period.

449a-3 Art of the Renaissance in Europe. A study of developments in art during the 15th century in Italy and the Lowlands leading to the High Renaissance and its impact on European painting, sculpture and architecture of the 16th century. Prerequisite: 225-9.

449b-3 Baroque Art in Europe. A study of the formation of national styles

in the arts of Italy, Spain, Austria, Germany, France, Flanders and Holland from the 16th to the 17th centuries with particular attention to major masters.

449c-3 The Art of 18th Century Europe. A study of architecture, sculpture and painting in European countries and colonies from the end of the seventeenth century to the French Revolution with particular emphasis on the Rococo Art of Italy, England, Spain and France.

450-1 The Visual Arts in Higher Education.

451a-3 Art of Ancient Asia and America. A survey of early developments in architecture and the plastic arts of related civilizations in India, China, Japan and Ancient America, from prehistoric evidence to major monuments of the First Millenium A.D.

451b-3 Painting in the Far East. General survey of the major pictorial arts of China from six dynasties to Ch'ing dynasty, of Korea from Silla period to Ti dynasty, and of Japan from Asuka to Edo periods. An attempt will be made to trace influences central to the development and spread of important styles and to relate art to the classics of Oriental aesthetics.

451c-3 Islamic Art. A survey of important monuments and art works produced in the context of Islamic culture in the Near East, Africa, Spain, Persia, Turkey and India from the 7th century to the present.

460-2 to 12 Research in Art Education.

466-2 to 12 Studio in Art Education.

482-15 (3,3,3,3,3) Art History Seminar. Lectures, discussions and reports on subjects of special interest which will be announced periodically in the following general areas: (a) ancient art, (b) medieval art, (c) Renaissance art, (d) modern art, and (e) oriental art.

483-15 (3,3,3,3,3) Research in Art History. Individual research in the painting, sculpture, architecture, and related art in the following areas: (a) ancient art, (b) medieval art, (c) Renaissance art, (d) modern art, and (e) oriental art.

493-2 to 12 Advanced Sculpture.

501-2 to 12 Seminar in Painting.

502-2 to 12 Seminar in Sculpture.

504-2 to 12 Research in Sculpture.

506-2 to 12 Research in Painting.

511-2 to 12 Seminar: Print Making.

516-2 to 12 Research in Prints.

520-2 to 12 Seminar in Pottery.

526-2 to 12 Research in Pottery.

530-2 to 12 Seminar in Metal Construction.

536-2 to 12 Research in Metal Construction.

540-2 to 12 Seminar in Weaving.

541-2 to 12 Research in Drawing.

546-2 to 12 Research in Weaving.

560-2 to 12 Seminar in Art Education.

566-2 to 12 Research in Art Education.

571-2 to 5 Readings in Art History.

573-3 to 12 Problems in Art History.

599-2 to 9 Thesis.

Asian Studies

Secondary Concentration

A secondary concentration in Asian studies is offered within the College of Liberal Arts and Sciences. To qualify, one must present a minimum of 30 hours to be chosen from at least three areas from a list of offerings approved by the Committee on Asian Studies. Not more than 12 hours may be taken in any one area. The approved courses cover areas of instruction in agriculture, anthropology, art, economics, foreign language, geography, government, history, and philosophy.

Biological Sciences

The course of study is designed to give the student a broad, yet intensive,

education in the biological sciences preparatory for various professions, especially the teaching of biology at the secondary level. This work may be taken in either the College of Liberal Arts and Sciences or the College of Education. The science requirement for this concentration is the same in both colleges.

The biological sciences curriculum consists of courses selected from General Studies Area A and the Departments of Botany, Microbiology, Physiology, and Zoology. A student selecting biological sciences as his concentration does not need to take a secondary concentration. Core courses required in the biological sciences are Biology 305, 306, 307, 308. These courses may substitute for 16 hours of courses listed among the requirements for concentration in biological sciences. In addition, work in chemistry and mathematics is required. Students should consult with their adviser for additional information.

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements (Waive GSA-3.)</i>	84
<i>Supplementary Two-Year College Requirements in FL/Mathematics</i> 18-20	
GSD FL-9, GSD 107-8 (or Mathematics 111-10)	
Foreign Language 201-9 or Mathematics 150-10	
<i>Requirements for Concentration in Biological Sciences</i>	75
GSA 201-8 or 210-8, 312	(8) + 3
GSA 301 and Botany 320 or Physiology 315-15	9 or 15
GSD 107-8 or Mathematics 110-10	(8-10)
GSA 303	3
Botany 300, 301	8
Botany 315 or Zoology 401	4 or 5
Botany 341 or Zoology 310	3 or 5
Chemistry 121-10 or 110-5, 240-5, 350-5	10-15
Electives from Botany, Microbiology, Physiology, and	
Zoology	3-12
Microbiology 301, 302	10
Zoology 102, 103, and 402 or 403	14
<i>Electives</i>	13-15
<i>Total</i>	192

Bachelor of Science Degree, COLLEGE OF EDUCATION

If the degree is to be in the College of Education, the student must satisfy all requirements of that college for the Bachelor of Science degree. The requirements for a concentration are the same in both colleges.

Secondary Concentration

A secondary concentration in biological sciences consists of a minimum of 36 hours and may be taken in either the College of Liberal Arts and Sciences or the College of Education. It must include GSA 201-8, or 210-8, 301, 312, Botany 300, 301, Microbiology 301, and Zoology 102, 103. Attention is called to the fact that Chemistry 121a,b is a prerequisite to some of these biology courses.

Biology electives (and general electives, as desirable) will normally be selected from the following:

GSA 301, 313, 314, 315, 321, 340

Botany 315, 320, 321, 341, 400, 404, 405, 411, 412, 414, 449, 451, 470

Microbiology 302, 403, 425, 441, 451

Physiology 315, 430, 433

Zoology 202, 300, 309, 310, 321, 401, 402, 403, 407, 408, 410, 413, 414, 467, 471

Black American Studies

Two options are provided in a secondary concentration in Black American Studies.

A general secondary concentration in Black American Studies consists of a minimum of 24 hours, with a minimum of 15 hours from among the following: GSB 309, 325; GSC 370b, 325; Anthropology 306c; English 417; Government 425; History 309, 349a,b,c; Philosophy 345; Rehabilitation 417; Sociology 452. Additional courses to complete the minimum of 24 hours total may be elected from among the following: GSB 391, 312; GSC 370a; GSD 210d,e,f; Anthropology 275a, 483; Educational Administration and Foundations 360; Government 321; History 401a,b,c, 410, 449a,b; Music 482; Sociology 335, 396. For the readings courses in the preceding list, the specific topic should be approved by the Black American Studies program.

A student wishing to use a secondary concentration in Black American Studies as part of a teacher education program should select from the lists of courses below. For this purpose the secondary concentration shall consist of 30 to 36 hours, with a minimum of 20 hours from list A and the remaining hours from the courses in list A or B.

List A: GSB 309, 325; GSC 325; Child and Family 407; Educational Administration and Foundations 360; Government 425; History 309; Psychology 495; Rehabilitation 417; Sociology 396.

List B: GSB 391; GSC 370; Anthropology 275a, 306c, 483; English 417; Government 321; History 349, 410; Music 482; Philosophy 345; Sociology 335.

Course Descriptions

318-2 to 12. Seminar in Black Studies. Analysis of "The Black Experience" directed toward practical contributions in the area studied. Prerequisite: GSB 309, or GSC 325, or consent of instructor.

320-2 to 6 Seminar in Group Leadership. Advanced analysis and exercises in problems of articulating "The Black Experience." Designed for learning group leaders from the staff of GSB 309. Prerequisite: consent of instructor.

322-2 to 4 Workshop in Methods of Black Studies. Theories and operations of current Black American studies programs. Develops a continuing approach to the methodological problems of Black studies programs. Prerequisite: consent of instructor.

Biology

Course Descriptions

305-4 Genetics-Classical and Molecular. Broad principles of genetics, including Mendelism, chromosomal behavior, genetic mapping and mutation, allelism, genes and development, polygenic systems, inbreeding and outbreeding, and genetic applications. Prerequisite: GSA 201b, or 210B, or advanced standing in biology.

306-4 Developmental Biology. Basic principles including cell concepts, reproduction from the macromolecular to the cellular level, transmission of developmental information, evolutionary compensation phenomena, and aging. Prerequisite: GSA 201b, or 210b, or advanced standing in biology.

307-4 Environmental Biology. Broad principles of ecology on the organismic

level, the population level, and the community level. Includes environmental factors, adaptations, energy and material balance, succession, and human ecology. Prerequisite: GSA 201b, or 210b, or advanced standing in biology.

308-4 Organismic Biology. Structural and functional organization of organisms including reproduction, biological clocks, hormones, and transport, respiratory, skeletal, and secretory systems. Prerequisite: GSA 201b, or 210b, or advanced standing in biology.

Botany

Professors William D. Gray, Ph.D.	Margaret Kaeiser, Ph.D.
Robert H. Mohlenbrock, Ph.D.	Oval Myers, Ph.D.
(Chairman)	Aristotel J. Pappelis, Ph.D.
Ladislao V. Olah, Ph.D.	Walter E. Schmid, Ph.D.
Jacob Verduin, Ph.D.	Assistant Professors William M. Mar-
John W. Voigt, Ph.D.	berry, M.S.
Walter B. Welch, Ph.D. (Emeritus)	Lawrence Matten, Ph.D.
Associate Professors William C. Ashby,	Donald R. Tindall, Ph.D.
Ph.D.	Donald Ugent, Ph.D.

Botany is a broad science that includes many specialties. For example, a person who has a quantitative turn of mind and enjoys mathematics or chemistry might find genetics or biochemistry exciting, whereas a person who has always enjoyed outdoor activity might be attracted to systematic botany or ecology. Plant morphology might appeal to a person who enjoys observation and interpretation, but plant physiology might have more appeal for a person who prefers experimentation. The exact courses that should be selected by a student who wishes to prepare for a career in botany or for graduate study will vary somewhat depending on the area of plant science in which he intends to specialize. As a general rule, a student who intends to apply for admission to a graduate school to study for an advanced degree in botany should include the following in his undergraduate program: inorganic and organic chemistry, mathematics through calculus, a modern European language, and as many botany and biology courses as time and scheduling will permit. Core courses required for concentration in botany are Biology 305, 306, 307, and 308. These courses may substitute for 16 hours of required courses in botany. Students planning to concentrate in botany should consult with the chairman of the department.

An honors program is available to those juniors and seniors in Botany who have an overall grade point average of 4.00 or better and an average in Botany courses of 4.25 or better. The honors student should enroll in Botany 392 during some quarters of both his junior and senior year for a total of no fewer than nine hours and no more than 21 hours.

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

General Studies Requirements (Waive GSA-3.)	84
Supplementary Two-Year College Requirement in FL/Mathematics	9-10
GSD-FL and FL 201-9	
or	
Mathematics 150-10	
Requirements for Concentration in Botany	59
GSA 201-8 (4 hours credited toward major)	(8)
GSA 303	3
Biology 305, 306, 307, 308	16
Botany 300-4, 301-4, 320-5, 335-2, 337-2, 338-2	19
Botany electives to complete 48 hours	6
Chemistry 121-10, 305-5	15

Electives	39-40
Total	192

Secondary Concentration

A secondary concentration in botany consists of a minimum of 24 hours, including GSA 201-8 or 210-8 (which contributes only 4 hours) and excluding Botany 390 and 391.

Course Descriptions

300-4 Morphology of Non-Vascular Plants. Introduction to the structure, development, and relationships of the algae, fungi, and bryophytes. Prerequisite: GSA 201b.

301-4 Morphology of Vascular Plants. Introduction to the structure, development, and relationships of the fern-allies, ferns, gymnosperms, and angiosperms. Prerequisite: GSA 201b. Recommended: Botany 300.

GSA 303-3 Ferns, Trees, and Wild Flowers: The Pleasure of Recognition.

308-5 Taxonomy of Cultivated Plants. A study of the classification of woody and herbaceous cultivated plants, both exotic and native. Prerequisite: consent of instructor.

320-5 Elements of Plant Physiology. A study of the functions of plants and their relation to the various organs. Three lecture and 4 laboratory hours per week. Prerequisite: GSA 201b; chemistry 350 or a secondary concentration in chemistry.

321-3 to 5 Elementary Botanical Microtechnique. Methods of preservation and preparation of plant materials for examination by the light microscope. One lecture and 4 laboratory hours per week. Prerequisite: GSA 201b.

335-2 Genetic Methods. Study of selected organisms and techniques illustrating genetic principles. Two 2-hour laboratories per week. Prerequisite: Biology 305 or equivalent.

337-2 Ecology Laboratory. One 4-hour laboratory per week. Concurrent or subsequent enrollment in Biology 307.

338-2 Organismic Laboratory. Four hours laboratory per week. Concurrent or subsequent enrollment in Biology 308.

GSA 340-3 Ecology.

390-2 to 4 Readings in Botany. A course of individually assigned readings in classical botanical literature; both oral and written reports required; open only to undergraduate students. Prerequisites: concentration in botany, consent of instructor.

391-2 to 5 Special Problems in Botany. Individual laboratory or field work under supervised direction. Both written and oral discussions required. Prerequisite: concentration in botany, consent of department or division.

392-3 to 21 Botany. Individual research problems available to qualified juniors and seniors. Prerequisite: consent of department.

400-5 Plant Anatomy. An introduction to cell division, development, and maturation of the structures of the vascular plants. Laboratory. Cost \$5. Prerequisites: 300, 301.

404-5 The Algae. Structure, development, and relationships of the algae. Laboratory and some field work. Prerequisite: 300.

405-5 Mycology. Structure, development, and relationships of the fungi. Problems of economic and scientific interest stressed. Laboratory. Prerequisite: 300.

406-5 Industrial Mycology. A consideration of the myriad ways in which fungi impinge on man's affairs, with special emphasis upon their various industrial application—real and potential. Three-lectures and 4 laboratory hours per week. Prerequisite: 405 or consent of instructor.

411-4 The Bryophytes and Pteridophytes. Structure, development, and relationships of the liverworts and mosses, and the ferns and fern allies. Laboratory. Prerequisite: 301.

412-4 The Spermatophytes. Structure, development, and relationships of the gymnosperm and angiosperm. Laboratory. Prerequisite: 301, 313, or GSA 303.

414-5 Paleobotany. (Same as Geology 414). An introduction to the study of fossil plants emphasizing the major features of plant evolution and the applications of paleobotany to problems in the botanical and geological sciences. Lecture, laboratory, and field trips. Student cost about \$5. Prerequisite: 310 or 400 or consent of instructor.

420-4 Physiology of Fungi. A treatment of the physiological activities of fungi with particular stress upon (1) those aspects peculiar to the group by virtue of their being non chlorophyllous plants, and (2) exploration of the possible explanations of the parasitic vs. the saprophytic habit. Prerequisite: consent of instructor.

425-15 (5,5,5) Advanced Plant Physiology. (a) Physics of the plant, water relations, membrane phenomena, photobiology. (b) Chemistry of the plant; anabolic and catabolic processes, photosyntheses, respiration, chemosynthesis. (c) Covers the absorption, translocation, function and interaction of inorganic nutrient elements in green plants with application to forest, agronomic, and horticultural species. Prerequisites: 320, Chemistry 350, or a secondary concentration in chemistry.

428-3 Plant Nutrition. The physiological importance of carbon, nitrogen, and phosphorus-containing compounds is stressed. Prerequisites: organic chemistry, secondary concentration in botany or agriculture.

440-14 (4,5,5) Advanced Ecology. (a) Management and ecology of grasses and grasslands. (b) Physiology and autecology of forest species. (c) Sampling methods and community analysis. Prerequisite: Biology 307, or consent of department.

449-3 Elements of Taxonomy. Principles of taxonomy including historical sketch, phyletic concepts, biosystematics, classical and experimental methods. Lecture. Laboratory. Prerequisite: 313 or equivalent, or consent of the instructor.

450-3 Plant Geography. World distribution of plants related to environmental, floristic, and historical factors. Prerequisites: consent of instructor.

456-5 Plant Pathology. (Same as Plant Industries 455.) A study of plant diseases caused by fungi, bacteria, and viruses. Special attention given diseases of southern Illinois plants. Laboratory and field trips. Lab charge. Prerequisite: consent of instructor.

457-4 Forest Pathology. Nature and control of forest and shade tree diseases. A study of tree diseases in forests, parks, streets, and nurseries. Fungi important in decay and stain of timber and its products are included. Lab charge. Prerequisite: consent of instructor or 456.

470-4 Methods of Teaching High School Biology. Methods, objectives, types of courses taught in secondary school biology. Laboratory and field trips. Prerequisite: concentration in botany or zoology.

480-4 Classic Principles of Botany. Theories, principles, and developments in the various divisions of the plant sciences. Prerequisites: GSA 201c, or consent of instructor.

500-5 Biosystematic Plant Anatomy.

503-20 (5,5,5,5) Advanced Angiosperm Taxonomy.

510-4 Bio-Ecology.

522-5 Advanced Microtechnique.

524-3 Advanced Plant Genetics.

525-5 Cytology.

526-5 Cytogenetics.

533-3 to 4 Growth and Development in Plants.

535-3 Energetics of Aquatic Ecosystem.

542-3 Biosystematics.

543-5 Experimental Ecology.

551-4 The Natural Vegetation of the Mississippi Basin, Upland.

552-4 Mississippi Flora, Aquatic.

555-12 (4,4,4) Advanced Plant Pathology.

570-2 to 5 Readings.

580-1 to 4 Seminar.

581-4 Advanced Systematics.

590-2 to 4 Introduction to Research.

591-3 to 9 Research.

599-3 to 9 Thesis.

600-1 to 36 Dissertation.

Business Teacher Education

(See also Secretarial and Business Education.)

Bachelor of Science Degree, COLLEGE OF EDUCATION

General Studies Requirements (Waive GSB-3.) 84
Requirements for Concentration in Business Teacher Education . . 69-75

GSB 201c, GSD 110, and 107a or 111a,b	(11) + 4
Accounting 250 or 251a	4
Economics 214, 215	8
Finance 305 or Management 170 or 340	4
Marketing 301	4
Secretarial and Business Education 201b	3
Preparation to teach in a minimum of four of the following areas:	42-48
Bookkeeping, Accounting, and Record Keeping.	
Two of the following: in addition to the accounting course taken as part of the core—Accounting 250, 251a, 251b, 261, 309, or 351a	
Business Law—Three of the following: Finance 371, 372, 373, 473	
Data Processing—101a, 103a or Secretarial 341; Accounting 315 or Secretarial 417	
Distributive Education—Three of the following in addition to the marketing course taken as a part of the core: Marketing 329, 363, 390, 401	
Electronic Data Processing—341, 417 or Data Processing 101a and 104; Accounting 315; Data Processing 103a	
General Business or Consumer Education—Three of the following courses in addition to the courses taken to fulfill requirements of any other part of the program: Family Economics and Management 340, 341; Management 170, 340	
Office Practice and Machines—Required courses for Typewriting; Management 271; Secretarial 326, 341	
Shorthand and Transcription—221c, 324	
Typewriting—201c, 241, 304	
Professional Education	37-43
Guidance 305	4
Secondary Education	4
Secondary Education 352-12 or 16	12 or 16
Two of the following:	8
Guidance 422a	
Educational Administration 355	
Instructional Materials 417	
Three of the following:	9 or 10
Secretarial and Business Education 403, 404, 405, 406, 408, 409, Secondary Education 315	
To become a vocational teacher or coordinator in a reimbursable vocational program in distributive education or office occupations, the following courses are required:	
Secretarial and Business Education 414a,b-6, 415-6	
Electives	15-20
Total	205-226

¹ Students who demonstrate by examination an initial competence in typewriting may be excused from as many as 9 hours of typewriting (201-9). Those students starting with a proficiency in shorthand may be excused from as many as 16 hours of shorthand (221-12, and 324a). Those who have had high school instruction in bookkeeping will start with Accounting 251a.

Bachelor of Science Degree, SCHOOL OF BUSINESS

Students who choose a concentration in accounting, economics, finance, management, marketing, or secretarial studies may become certified to teach in the public secondary schools by taking selected courses in the School of Business and professional education courses in the College of Education. Those students who are interested in preparing themselves for executive positions as well as for business teaching positions should consult a School of Business adviser.

Secondary Concentrations

Secondary concentrations are offered in the following areas: (1) secretarial studies, consisting of a minimum of 24 hours in business; (2) business-teacher education, consisting of a minimum of 30 hours in business.

Secondary concentrations are planned for each student individually by the student and his adviser. This procedure is necessary because students' backgrounds and needs vary greatly.

Chemistry

<i>Professors</i> Talbert W. Abbott, Ph.D. (<i>Emeritus</i>)	<i>Associate Professors</i> Paul M. Anderson, Ph.D.
Richard T. Arnold, Ph.D. (<i>Chairman</i>)	Albert L. Caskey, Ph.D.
James N. BeMiller, Ph.D.	Herbert I. Hadler, Ph.D.
Roger E. Beyler, Ph.D.	J. Herbert Hall, Ph.D.
George E. Brown, Ph.D.	Wilbur N. Moulton, Ph.D.
Elbert H. Hadley, Ph.D.	Charles Schmulbach, Ph.D.
Robert W. MacVicar, Ph.D.	Donald W. Slocum, Ph.D.
Cal Y. Meyers, Ph.D.	Gerard V. Smith, Ph.D.
Boris Musulin, Ph.D.	Russell F. Trimble, Ph.D.
James W. Neckers, Ph.D. (<i>Emeritus</i>)	<i>Assistant Professors</i> James A. Cob, Ph.D.
Robert A. Scott, Ph.D. (<i>Emeritus</i>)	Stephen Darling, Ph.D.
Kenneth A. Van Lente, Ph.D.	H. Frank Gibband, Ph.D.
John H. Wotiz, Ph.D.	Conrad C. Hinckley, Ph.D.
	David Koster, Ph.D.
	James Tyrrell, Ph.D.

The Department of Chemistry offers three degree programs with a concentration in chemistry. The first is the Bachelor of Arts degree with certification by the American Chemical Society. The degree is recommended for those who wish to become professional chemists. A minimum of 58 credit hours in chemistry is required for this degree. The second is the Bachelor of Science degree. This degree involves less work in chemistry, with a minimum of 42 hours being required. This program is recommended to students who wish to complete a concentration in chemistry, but who plan on eventually going into other professional areas such as medicine, dentistry, etc.

The third program of study leads to the Bachelor of Science degree in education. This degree program is administered by the College of Education. It is provided for those who wish to become secondary school chemistry teachers.

Candidates for degrees are required to have a 3.00 grade point average in chemistry courses at the start of the second year of the concentration and a 3.25 grade point average in chemistry courses, and/or consent of the chairman, before starting the third and fourth years.

A knowledge of German is recommended for all concentrations in

chemistry, and required for those students working for ACS certification. Scientific German may be counted as the equivalent of German 201c.

Bachelor of Arts Degree, A.C.S., COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (Waive GSA-3.)	76
(Advanced Standing Assumed in GSA 101ab)	
<i>Supplementary College Two-Year Requirement in FL/Mathematics</i>	
Mathematics 111-10, 150-10	20
<i>Requirements for Concentration in Chemistry</i>	79-82
Chemistry 121ab-10, 235, 341-15, 411, 432a, 461-12 plus three of the following: 412, 432b, 433, 446, 451, 455, 451-11, 496, 464, two of which must be picked from the first six on the list	58
Mathematics 252-9	9
Physics (one year)	12-15
GSD 126-9	(9)
<i>Electives</i> (additional mathematics is recommended)	22
<i>Total</i>	192

Bachelor of Science Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (Waive GSA-3.)	76
(Advanced Standing Assumed in GSA 101ab)	
<i>Supplementary Two-Year College Requirement in FL/Mathematics</i>	
Mathematics 111-10, 150-10	20
<i>Requirements for Concentration in Chemistry</i>	54-57
Chemistry 121ab-10, 235, 341-15 or 305-9, 461-12 or 460-5, 432a plus courses selected from 350, 375, 411, 412, 432, 433, 446, 447, 451, 455, 464, 471, 472, 490, 496, to total 42 hours	42
Physics (one year)	12-15
GSD 126-9 (recommended) or 123-9 or 136-9	(9)
<i>Electives</i>	39-42
<i>Total</i>	192

Bachelor of Science Degree, COLLEGE OF EDUCATION

<i>General Studies Requirements</i> (Waive GSA-3.)	76
(Advanced Standing Assumed in GSA 101a,b)	
<i>Requirements for Concentration in Chemistry</i>	48
Chemistry 121ab, 235, 341-15 or 305-9, 461-12 or 460, plus courses selected from 350, 375, 411, 412, 432-8, 433, 446, 447, 451, 455, 464, 471, 490, 496	48
For other course requirements see Secondary Education.	

SECONDARY CONCENTRATION

A secondary concentration in Chemistry consists of a minimum of 24 hours of chemistry courses.

Course Descriptions

110-4 General and Inorganic Chemistry. A brief introduction to the structure of the atom and chemical bonding; acids, bases, salts, and pH; and a study of the properties and reactions of some of the more common elements. Three

lecture and 3 laboratory hours per week. Not applicable to a concentration or to a secondary concentration in chemistry. No prerequisite.

115-5 Introductory General Chemistry. Equivalent to a year of high school chemistry. For students who have had less than a year of high school chemistry and who require a year or more of college chemistry. May be audited by students who have had a year or more of high school chemistry. Three lectures, four laboratory hours, and one recitation per week.

121-10 (5,5) General Chemistry and Qualitative Analysis. For students requiring at least 10 hours of chemistry, including those concentrating in chemistry or other scientific, pre-professional, or technological areas. (a) Basic principles of chemistry and chemistry of non-metals; emphasis on chemical calculations. (b) Chemistry of metals, alloys, amphoterism, coordination compounds, and ionic equilibria; laboratory work includes qualitative analysis of certain cations, anions, and alloys. Must be taken in a,b sequence. Prerequisite: 115 or 1 year of high school chemistry.

235-5 General Quantitative Analysis. Introduction to theories and methods of volumetric and gravimetric techniques. Three lecture and 6 laboratory hours per week. Prerequisite: 121b.

240-4 Organic Chemistry. A survey course not open to those concentrating in chemistry. An introduction to aliphatic and aromatic compounds with emphasis on those of biological importance. Three lecture and 3 laboratory hours per week. Prerequisite: 110 or 121a.

305-10 (5,5) Organic Chemistry, Preprofessional. For secondary concentration in chemistry and preprofessional students. Three lectures and one laboratory lecture per week. (a) Three laboratory hours per week. (b) Six laboratory hours per week. Must be taken in a,b sequence. Prerequisite: 121b.

341-15 (5,5,5) Organic Chemistry. Three lectures and one laboratory lecture per week. (a) Three laboratory hours per week. (b), (c) Two laboratory periods per week. Must be taken in a,b,c sequence. Prerequisite: 121b or 305b.

350-4 Biological Chemistry. A brief introduction to metabolism, nutrition, and the chemistry of the important biological processes in plants and animals. Three lecture and 3 laboratory hours per week. Prerequisite: 240 or 305b or 341c.

375-0 to 2 Undergraduate Seminar. For juniors and seniors with a concentration in chemistry.

411-4 Intermediate Inorganic Chemistry. Modern inorganic chemistry involving atomic structure, chemical bonds, complexes, and chelate structures; with emphasis on physical chemical principles. Four lecture hours per week. Prerequisite: 461b.

412-3 Inorganic Preparations. A study of several important inorganic syntheses. One lecture and 6 laboratory hours per week. Prerequisites: 235, 305b or 341c.

432-8 (4,4) Instrumental Analytical Measurements. Theory and practice of instrumental analytical measurements, including spectrophotometric, electro-analytical, and chromatographic methods. Two lecture and 6 laboratory hours per week. May be taken in either sequence. Prerequisite: 461b.

433-3 Intermediate Quantitative Analysis. A study of the analysis of complex materials, with emphasis on separations, functional group analysis, and instrumental applications. Two lecture and 3 laboratory hours per week. Prerequisites: 432a or b and 461c.

438-3 Review of Analytical Chemistry. A discussion, in depth of the principles of chemical equilibrium, analytical separations, and common chemical and physical measurements. Three lecture hours per week. Prerequisite: graduate standing and consent of instructor.

446-4 Qualitative Organic Analysis. A systematic study of the separation and identification of organic compounds. Two lecture and 6 laboratory hours per week. Prerequisite: 235 and 341c or consent of instructor.

447-3 Quantitative Organic Chemistry. The determination of functional groups and elements commonly found in organic compounds by selected methods of analysis; illustration of general methods of procedure in the field of quantitative organic chemistry. One lecture and 6 laboratory hours per week. Prerequisite: 305b or 341c.

451-9 to 11 (3,3,3 or 4) Biochemistry. (a) Chemistry and function of amino acids, proteins, and enzymes. (b) Carbohydrate chemistry, function and metabolism; biochemical energetics; citric acid cycle; oxydative phosphorylation. (c) Photosynthesis; lipid chemistry, function and metabolism; nitrogen metabolism; nucleic acid and protein biosynthesis; metabolic regulation. Prerequisite: 235, 305b, 341c.

455-8 (4,4) Biochemistry Laboratory. Modern biochemical laboratory techniques (a) for isolation, purification, and characterization of constituents of living cells and (b) for investigations of pathways, kinetics, energetics, and regulatory mechanisms related to metabolism and enzymic activity. 1 lecture and 8 laboratory hours per week. Prerequisite: 451.

460-5 Principles of Physical Chemistry. A one-term course in physical chemistry designed especially for non-chemistry majors including prospective teachers of high school chemistry. Three hours of lecture and six hours laboratory per week, one hour of which will be used for special instruction. Prerequisite: 235, 305b, or 341c, and one year of physics or consent of department.

461-12 (4,4,4) Physical Chemistry. A fundamental course in physical chemistry composed of a sequence of a, b, and c. Three lecture and 3 laboratory hours per week. Prerequisites: 235, 12 hours of physics, and one year of calculus. Must be taken in a, b, c sequence, and each is a prerequisite for the next course in the sequence.

464-3 Introduction to Quantum Chemistry. Quantum chemistry as applied to atoms and molecules. Three lecture hours per week. Prerequisite: 461c or consent of instructor.

471-3 Industrial Chemistry. A survey of modern industrial chemistry and an introduction to chemical research processes. Three lecture hours per week. Prerequisite: 305b or 341c.

472-12 (4,4,4) X-Ray Crystallography. (Same as Applied Science 401-12.) (a) Introductory crystallography. (b) X-ray diffraction techniques. (c) Crystal structure analysis. Prerequisite: 461b.

490-2 Chemical Literature. A description of the various sources of chemical information and the techniques for carrying out literature searches. Two lecture hours per week. Prerequisites: 235, 305b or 341c, reading knowledge of German or consent of instructor.

496-1 to 12 Chemical Problems. Investigation of individual problems under the direction of a staff member. Prerequisite: consent of instructor and department chairman.

504-3 Mechanisms and Syntheses in Organic Chemistry.

511-9 (3,3,3) Advanced Inorganic Chemistry.

519-2 to 30 (2 to 6 per quarter) Advanced Topics in Inorganic Chemistry.

531-3 Theory of Quantitative Analysis.

532-3 Instrumental Methods of Analysis.

539-2 to 30 (2 to 6 per quarter) Advanced Topics in Analytical Chemistry.

541-3 Advanced Organic Chemistry.

542-3 Advanced Organic Chemistry.

543-3 Advanced Organic Chemistry.

547-3 to 6 Advanced Laboratory Preparations in Organic Chemistry.

549-2 to 30 (2 to 6 hours per quarter) Advanced Topics in Organic Chemistry.

551-3 Nucleic Acids and Protein Biosynthesis.

552-3 Carbohydrate Chemistry.

553-3 Plant Biochemistry.

554-3 Biochemical Mechanisms.

555-3 Enzymes.

559-2 to 30 (2 to 6 hours per quarter) Advanced Topics in Biochemistry.

561-3 Chemical Thermodynamics.

562-3 Quantum Chemistry.

563-3 Chemical Dynamics.

564-3 Statistical Thermodynamics.

569-2 to 30 (2 to 6 hours per quarter) Topics in Advanced Physical Chemistry.

594-2 to 15 (2 to 6 hours per quarter) Special Readings in Chemistry.

595-0 to 9 Advanced Seminar in Chemistry.

596-3 to 20 Advanced Chemical Problems.

597-3 to 40 Research and Thesis.

598-3 to 48 Research-Doctoral.

600-3 to 48 Dissertation-Doctoral.

Child and Family

Professor Michael Zunich, Ph.D. *Instructors* Roberta Lee Harrison, M.S.

Assistant Professor Mona Palta Johnston, Ph.D.

Kay Kraft, M.S.

Melva F. Ponton, M.S.

Shirley Rogers, M.S.

Course Descriptions

- 227-3 Family Living.** A study of relationships and adjustments in family living, designed largely to help the individual.
- 237-3 Child Development.** Principles of development and guidance of children as applied to home situations. Directed observation involving children of varying ages.
- 337-3 Advanced Child Development.** Developmental approach to the study of child behavior in the family. Prerequisite: 237.
- 345-5 (2,3) Child Development Practicum.** Observation and participation in the guidance of pre-school children. (a) Preparation and use of materials; equipment and activities. One hour lecture, 2 hours laboratory; (b) Planning and executing a variety of experiences for preschool children. One hour seminar, 3 hours laboratory. Part b may be elected independently of a.
- 366-3 Family Development.** Study of changing patterns in family living throughout the family life cycle. Prerequisites: 227 or GSB 341.
- 408-2 to 8 Workshop.** For workers in fields related to child and family.
- 445-4 Administration of Pre-School Programs.** Objectives in pre-school programs. Programming including housing, equipment, health protection, and supervision. Field trip. Prerequisite: 345b or consent of instructor.
- 456-4 Infant Development.** Current theories and knowledge concerning growth and development of infants with related laboratory and field experiences. Prerequisite: 237 or Psychology 301 or equivalent.
- 466-2 Practicum in Parent-Child Study.** Designed to increase student's ability to work with parents and parent groups through an awareness of factors in the parent-child relationship and knowledge of current research and methods in parent education. Integration with infant and child development laboratories and related field experience. Prerequisites: 227, 237 or equivalent.
- 471-2 to 6 Field Experience.** Supervised learning experiences. Child development experience in a community nursery school. Prerequisite: consent of chairman.
- 481-2 to 6 Readings.** Child development and family living readings under staff supervision. Prerequisite: consent of instructor and chairman.

Cinema and Photography

(See also Photography.)

<p><i>Associate Professors</i> C. William Horrell, Ed.D. Robert Davis, Ph.D. (<i>Chairman</i>)</p>	<p><i>Assistant Professors</i> George C. Brown, Ed.D. Howard F. Eilers, M.F.A. Frank R. Paine, B.S.</p>
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- 310-4 History of Still Photography.** History, esthetics, and appreciation of still photography. Not open to students who have had GSC 348.
- 311-4 Contemporary Photography.** Uses, styles, and influences of contemporary still photography.
- 313-4 Visual Design in Photography.** Study and use of elements of design as used in the photographic image. Prerequisite: 320.
- 320-4 Fundamentals of Still Photography.** Introduction to photographic communication. Basic camera controls, black and white film, and print processing.
- 321-4 Intermediate Photography.** Continuation of 320 with emphasis on refinement of photographic techniques and processes. Prerequisite: 320.
- 322-4 Fundamentals of Color Photography.** Theory, techniques, and aesthetics of color photography. Production of color prints and transparencies. Prerequisite: 321.
- 350-4 Introduction to Cinema.** Analysis of film as an independent form of art and communication. Survey of production methods, film types, and utilization of the medium in contemporary society. Screening fee.
- 351-4 Introduction to Film Theory.** Historical survey of the theories of film. Analysis of theoretical and aesthetic concepts associated with the motion picture. Screening fee.
- 355-4 Beginning Film Production.** Basic techniques for silent film making. Production of short motion pictures by student crews.
- 356-4 Intermediate Film Production.** Sound film techniques. Production of short synchronous sound films from student scripts. Prerequisite: 335.

- 357-4 Advanced Film Production.** Production of sound and color films by students working individually and in crews. Prerequisite: 356.
- 361-4 Film Planning and Scripting.** Analysis of both scripted and non-scripted films. Script as a basis for production. Practice in preparing film plans, treatments, and scripts.
- 362-4 Sound for Motion Pictures.** Analysis and practice of sound recording and editing techniques. Prerequisite: consent of department.
- 403-4 Portrait Photography.** Formal and informal approaches to portraiture. Studio lighting and natural light techniques. Prerequisite: 322.
- 404-4 Advanced Portrait Photography.** Advanced problems in portraiture. Prerequisite: 403.
- 405-4 Commercial Photography.** Study and use of studio lighting techniques for commercial photography. Prerequisite: 322.
- 406-4 Advanced Commercial Photography.** Assignments in areas of commercial photography in black and white and color. Prerequisite: 405.
- 407-4 Publications Photography.** Photographic news reporting with emphasis on single pictures and short picture stories. Prerequisite: 322.
- 408-4 Advanced Publications Photography.** Production of picture essays including research, lay-out, captions, and text. Black-and-white and color. Prerequisite: 407.
- 409-4 Picture Editing.** Picture usage and layout and methods of photographic reproduction for the mass media.
- 415-4 Technical and Scientific Photography.** Introduction to photographic methods used in science and research. Prerequisite: 322.
- 418-4 Documentary Photography.** Methods, approaches, and work in documentary photography. Prerequisite: 322.
- 420-4 Experimental Photography.** Experimental approaches to the creation of photographic images. Prerequisite: 322.
- 421-4 to 8 Personal Photographic Expression.** Development of personal vision in photography. Usually taken 4,4. Prerequisite: consent of department.
- 422-4 Advanced Color Photography.** Study and production of color photographs. Emphasis on experimental techniques. Prerequisite: 322.
- 428-3 Managing the Industrial Photographic Unit.** A study of practices, procedures, administration, and management of typical units. Prerequisite: consent of department.
- 450-4 Film and Society.** Major social issues associated with the cinema. Examination of attempts to regulate and control the medium.
- 456-1 to 6 Workshop in Film Production.** Crew work on university film productions. Prerequisite: consent of department and film production.
- 457-4 Mixed Media Production.** Multi-media theory. Creation and coordination of presentations involving visual and aural media. Prerequisite: consent of department.
- 458-1 to 12 Projects in Cinema and Photography.** Individual or crew projects in motion picture production or still photography. Usually taken 4,4,4. Prerequisite: consent of department.
- 460-4 History of the Silent Film.** Emphasis on the theatrical film to 1929. Screening fee.
- 461-4 History of the Sound Film.** Theatrical film from early experimentation to the present. Screening fee.
- 462-4 History of the Documentary Film.** Documentary film illustrated by the work of representative film makers. Screening fee.
- 463-4 History of the Experimental Film.** Survey of experimentation in cinema from the turn of the century, through the avant-garde periods, to contemporary independent films.
- 470-4 Special Cinematic Forms.** Innovation in technique and content in animated, advertising, and experimental films. Production of short innovative films. Prerequisite: 357 or equivalent.
- 480-1 to 12 Individual Study in Cinema and Photography.** Research in history, theory, or aesthetics. Usually taken 4,4,4. Prerequisite: consent of department.

Clothing and Textiles

(See also Home Economics.)

Professors Rose Padgett, Ph.D. (Chairman)

Lucy K. Woody, M.A. (Emerita)

Associate Professors Thelma Berry, Instructors Elaine Flint, M.S.
 Ph.D. Sue Ridley, M.S.
 Ritta Whitesel, M.A. (Emerita)

Course Descriptions

127-4 (2,2) Clothing Selection and Construction. (a) Clothing selection and care. Study of clothing in relation to fabric composition, fashion emphases, art principles, suitability and cost. (b) Clothing selection laboratory. Use and alteration of patterns, construction of garments using fabrics made of different fibers (emphases on fitting and on construction techniques).

233-3 Pattern Designing and Clothing Construction. Principles of flat pattern design, pattern manipulation, and fitting. The making of dress patterns from master patterns. Construction of dresses using custom finishes. Field trip. Prerequisites: 127, or consent of chairman.

329-3 Fashion. A study of economic, psychological, social, and aesthetic factors in fashion which affect the individual and family. Exploration into the fashion industry and opportunities in the field of fashion.

334-3 Costume Design. The development of original dress design and adaptation from period costume and other sources, using various media. Prerequisite: 127a or consent of chairman. Offered alternate years.

339-3 Clothing Economics. Factors of production, distribution, and consumption which influence economics of clothing.

360-4 Tailoring and Clothing Construction. Fundamental construction processes reviewed and basic principles of tailoring applied in the construction of a suit or coat and a dress. Prerequisite: 233 or consent of chairman.

364-3 Draping and Construction. Principles of design applied to draping of fabric on dress form. Emphasis on interpretation of design in relation to different fabrics and figures. Construction of one draped garment. Prerequisite: 233 or consent of chairman.

371-3 to 6 Field Experience. Opportunity for supervised learning experiences in the chosen area. Prerequisite: consent of chairman.

395-2 to 8 Special Problems. Specific problems in clothing, textiles, applied design, housing, home furnishings, or interiors. Prerequisite: consent of chairman.

423-4 Advanced Family Housing. (See Home and Family 423.)

432-2 to 8 Workshop. Designed to aid leaders in the field with current problems. Discussion, reports, lectures, and other methods of analyzing and working on solutions to problems. Emphasis for the workshop to be stated in the announcement of the course. Prerequisite: consent of chairman.

433-4 Advanced Pattern Designing. Application of flat pattern design principles to the making of patterns for garments of various designs and fabrics. Fitting and pattern alteration related to various figure types. Production cost analysis. Prerequisite: 233 or consent of chairman.

434-4 History of Clothing. Development of clothing from prehistoric times to the present. Social, economic, and aesthetic background. Technical innovations that made possible its design.

440-4 Clothing the Family. Needs and wants of individuals at various developmental stages, in family and societal settings with respect to apparel consumption; functional and fashion-motivated choice of clothing; family budgets.

470-3 Interior Design Seminar. A study and appraisal of noted interiors and architecture as interpreted in selected buildings and by selected designers. Field trips. Prerequisite: consent of chairman.

473-4 Advanced Tailoring. The student will tailor one garment for herself. Timesaving methods, high-quality construction details, and professional finishes stressed. Prerequisite: 360, proficiency, or consent of chairman.

474-4 Advanced Textiles. The physical and chemical analysis of textiles. Problems dealing with economic and industrial developments, standards, labeling, and legislation. Current literature of developments within the field. Prerequisites: 304 or consent of chairman.

481-2 to 6 Readings. Supervised readings for qualified students. Prerequisite: consent of chairman.

500-4 Research Methods.

570-4 Clothing and Textiles Seminar.

572-2 to 8 Special Problems.

582-4 Foundations of Fashion.

583-3 (1,1,1) College Teaching of Clothing, Textiles, and Interiors.

599-2 to 9 Thesis.

Community Development
Secondary Concentration

A secondary concentration in community development consists of 24 hours, including Sociology 335, 487a,b, plus 13 additional hours approved by the Community Development Institute. A student intending to concentrate in community development should consult the director.

Design

University Professor R. Buckminster Fuller	Instructor Carl E. Bretscher, B.S.
Assistant Professors John F. H. Loner- gan, B.A.	Lecturers H. F. William Perk, A.B. (Chairman)
Charles M. Pulley, B.S.	Davis J. Pratt
Herbert Roan	Harold Grosowsky

The purpose of these courses is to prepare students for careers of socially useful problem-solving relative to significant needs of contemporary society. The student learns ways to utilize mental and physical resources to develop and control man's living environment. This, therefore, deals with areas of visual communications and environmental planning. Traditional school stratifications are minimized. Boundary lines are continually crossed as the student at the undergraduate level works with a variety of problem situations in cooperation with such disciplines as psychology, microbiology, sociology, education, and others.

Bachelor of Arts Degree, SCHOOL OF FINE ARTS

General Studies Requirements (Waive GSB-3.)	84
Requirements for Concentration in Design	119
GSD 107 or Mathematics 111-10	(8)
Design 100-15, 215-12, 275-12	39
Design 200-6, 300-6, 400-6	18
Design 366-15, 375-15, 390, 465f-15, 465g-15	62
Total	203

Students transferring from other schools, other areas of concentration, or from the General Studies program should arrange a personal interview with the chairman of the Department of Design to develop the appropriate curriculum for fulfilling degree requirements.

Course Descriptions

100-5 to 15 Design Fundamentals. Three-quarter sequence. Comprehensive workshop and lecture course in design fundamentals. Exploration of two- and three-dimensional design principles using various media and materials.

200-2 to 6 Materials and Basic Techniques. Three-quarter sequence. Laboratory exploration of two- and three-dimensional materials utilized in design process. No more than 2 hours per quarter. Prerequisite: 100.

215-4 to 12 Basic Product-Shelter Design. Three-quarter sequence. Development of an analytical approach to the solution of product and shelter problems, using lecture, text, and laboratory methods. Prerequisite: 100.

275-4 to 12 Basic Visual Design. Three-quarter sequence. Development of an analytical approach to the solution of visual problems, using lecture, text, and laboratory methods. Prerequisite: 100.

300-2 to 6 Materials and Basic Techniques. Three-quarter sequence. A continuation of 200. Prerequisite: 200.

345-4 to 12 **Design Studio**. Special projects in two, and three-dimensional experimental structures.

366-5 to 15 **Product-Shelter Design**. Three-quarter sequence. Development of three-dimensional design projects of community scope. Prerequisites: 200, 215, 275.

375-5 to 15 **Visual Design**. Development of design projects exploiting various communications media. Prerequisites: 200, 215, 275.

390-2 **Principles of Design**. Critical survey of the theory and practice of contemporary design.

400-0 to 2 **Materials and Basic Techniques**.

465f-5 to 15—**Research in Product-Shelter Design**.

465g-5 to 15 **Research in Visual Design**.

490f-2 to 12 **Studio in Product-Shelter Design**.

490g-2 to 12 **Studio in Visual Design**.

520-4 to 10 **Educational Tool Systems**.

530-4 to 12 **Studies in the Industrial Process**.

535-4 to 12 **Research in Product Design**.

540-4 to 12 **Studies in Communications Design**.

545-4 to 12 **Research in Communications Design**.

550-2 to 16 **Field Study in Design**.

560-4 to 12 **Environmental Control**.

570-4 to 12 **Design Science Exploration**.

575-4 **World Ecological Studies**.

576-4 to 8 **Structural Evolution**.

599-3 to 9 **Thesis**.

Earth Science

Secondary Concentration

This course of study is designed for the student with an interest in the interdependent dynamic processes that take place on and near the earth's surface. At present the program is structured to complement a concentration in another discipline. This work may be taken either through the College of Liberal Arts and Sciences or through the College of Education.

A secondary concentration in earth science consists of a core program of 20 hours and 9 to 12 hours of electives, as follows:

Core Program 20

GSA 110-8, 330 or 331-3

Ag 100, 306a or GSA 312 or GSB 353-3

Geol 221 or 331-3, 400-3

Electives 9-12

GSA 321, 322, 340, 363a

Ag Ind 306b

Geog 302, 310, 403a, 424

Geol 425a

Pl Ind 402

Economics

Professors Albert N. Y. Badre, Ph.D.

Milton T. Edelman, Ph.D.

George H. Hand, Ph.D.

C. Addison Hickman, Ph.D.

Robert G. Layer, Ph.D.

Thomas A. Martinsek, Ph.D.

Lewis A. Maverick, Ed.D. (*Emeritus*)

Edward V. Miles, Jr., M.A. (*Emeritus*)

G. Carl Wiegand, Ph.D.

Associate Professors Bernard J. Marks, Ph.D.

Vernon G. Morrison, Ph.D.

Milton R. Russell, Ph.D. (*Chairman*)

Assistant Professors Eric Brucker, Ph.D.

Byron M. Bunger, Ph.D.

Robert J. Ellis, Ph.D.

Richard G. Fryman, Ph.D.

Kanji Haitani, Ph.D.

Jerome J. Hollenhorst, Ph.D.

Andrew J. Petro, Ph.D.

Charles G. Stalon, Ph.D.

Peter Skinner Stowe, Ph.D.

Instructor Habib O. E. Jam, M.A.

The aim of the course of study in economics is to develop in the student such critical and analytical skills as underlie the ability to understand economic problems and institutions, both in their contemporary and historical setting.

Concentration in economics gives the student a basic understanding of the chief theoretical and institutional branches of the subject as well as the academic background necessary for many positions in industry and labor organizations, for work in the economic branches of government service, for college or university teaching, and for graduate study in economics and business.

Bachelor of Science Degree, SCHOOL OF BUSINESS

<i>General Studies Requirements</i> (Waive GSB-3.)	84
<i>Professional Business Core</i>	52
GSB 201b, 201c, Mathematics 111-10	(18)
Accounting 251a,b, 261	12
Economics 214, 215, 308	12
Finance 320, 371 or 473	8
GSD 110	3
Management 340, 481	8
Marketing 301	4
Mathematics 150a	5
<i>Requirements for Concentration in Economics</i>	32-36
Economics 310, 315, 330, 440, 441	20
Any four remaining Economics Courses (including GSB 311) Except 301, 433, 479, 490	12-16
<i>Electives</i>	20-24
<i>Total</i>	192

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> ¹ (Waive GSB-3.)	84
<i>Requirement for Concentration in Economics</i>	51-53
GSD 110, GSD FL-9	(12)
Supplementary two year college requirement in FL/Math	9
Economics 214, 215, 310, 315, 330, 440, 441	28
Any four remaining Economics Courses (including GSB 311) except 301, 433, 479, 490	14-16
<i>Secondary Concentration</i>	26-30
(To be taken in anthropology, foreign languages, geography, government, history, mathematics, philosophy, psychology, sociology or some other area approved by the Chairman of the Department of Economics.)	
<i>Electives</i>	25-31
<i>Total</i>	192

Secondary Concentration in Economics

The following courses constitute a 27-hour secondary concentration in economics: GSD 110, Economics 214, 215, 315, and any three of the following: 310, 330, 429, 440, 441.

¹ Economics majors should fulfill their Mathematics GSD requirement by taking Math 111a,b. Any student planning to do graduate work in Economics should consider taking Math 150 as an elective.

Course Descriptions

- 214-4 Economics (Macro).** Analysis of the methodology of economics; the determination of the level of national income, employment, and output; money and banking; and economic fluctuations, including government monetary and fiscal policy to control those fluctuations.
- 215-4 Economics (Micro).** Analysis of the operation of an economy in the determination of product prices, wage rates, levels of output by the firm, and the distribution of income, including the role of government therein. Prerequisite: 214.
- 301-1 to 6 Economic Readings.** Readings in books and periodicals in a defined field, under direction of one or more staff members. Periodic written and oral reports. Prerequisite: consent of instructor and chairman.
- 303-4 Introduction to Economics—MBA.** Survey of economic principles including national income, money and banking, fiscal policy, economic growth, prices, theory of the firm, labor, rent, interest, and profits. MBA students only.
- 304-4 Introduction to Statistics—MBA.** A survey of statistics. Specifically, hypotheses testing and confidence interval determination. Three hours lecture; 2 hours laboratory. Restricted to MBA students.
- 308-4 Economics and Business Statistics I.** Three hours lecture; 2 hours laboratory. Prerequisite: GSD 110.
- 310-4 Labor Problems.** Prerequisites: 215.
- GSB 311-3 Economic Development of the United States.** Prerequisite: GSB 101c or 211c.
- GSB 312-3 Comparative Economic Systems.** Prerequisite: GSB 211a.
- GSB 313-3 Economics of War and Peace.**
- 315-4 Money and Banking I.** Prerequisite: 215 or consent of instructor.
- 330-4 Public Finance.** Government spending, taxing, budgeting, and debt in relation to resource allocation, income distribution, and economic stability. Prerequisite: 211a, 215, or consent of instructor.
- 408-4 Economic and Business Statistics II.** Techniques for making decisions when the economic conditions are not known with certainty. Three hours lecture; 2 hours laboratory. Prerequisite: 307 or GSD 110, or GSD 108c, or GSD 114c, or consent of instructor.
- 411-4 Collective Bargaining and Dispute Settlement.** Nature, issues, procedures, economic effects. Prerequisite: 310 or consent of instructor.
- 416-4 Money and Banking II.** Emphasis upon the Federal Reserve System and other banking systems. Prerequisite: 315 or consent of instructor.
- 418-4 Economic History of Europe.** A survey of the economic growth of Europe with emphasis upon the development of European agriculture, industry, finance, and international trade since 1750. Prerequisites: 215, or GSB 211a, or consent of instructor.
- 419-4 Latin American Economic Development.** A survey of the resource base of Latin American economic development with special reference to the problems of transition from an export-import to an integrated industrial economy; monetary policies; problems of economic planning. Prerequisites: 215, or GSB 211a, or consent of instructor.
- 420-4 Recent Economic History of the United States.** Review and analysis of the chief characteristics, trends, and continuing problems of the economy of the United States in the 20th century. Prerequisites: 215.
- 422-4 Introduction to Economic Development.** An analysis of the preconditions, processes, and problems involved in economic development. Both the theory and policy relevant to development, with special emphasis upon the developing or emerging economics, are stressed. Prerequisites: 215.
- 429-4 International Economics.** Intensive treatment of the principles of international economics with special emphasis on the classical and modern theories of international trade. Income effects. Balance of payments adjustments. Prerequisites: 215, or consent of instructor.
- 430-4 Regional Economy.** Natural economic regions, governmental action (as in the T.V.A.), local applications. Prerequisite: 215.
- 431-3 Public Finance II.** State and local. Prerequisite: 330 or consent of the instructor.
- 433-4 Inflation, Growth, and Stability.** National income theory with emphasis on (a) the influence of government budgetary programs on the level of national income, employment, growth, and the price level, and (b) the institutional difficulties of formulating and executing a Federal budget program. Prerequisite: 215 or consent of instructor.

- 436-3 Government and Labor.** (Same as Government 436.) A study of labor relations and legislation considering both constitutional and economic aspects. Prerequisite: 215, or consent of instructor.
- 440-4 Intermediate Micro Theory.** A more intensive treatment of price theory. Prerequisites: 215, or consent of instructor.
- 441-4 Intermediate Macro Theory.** Basic analytical concepts of the modern theory of aggregative income determination. Prerequisites: 214 or consent of instructor.
- 450-6 (3,3) History of Economic Thought.** The development of economic thought; (a) ancients to 1850; (b) 1850 to present. Must be taken in a,b, sequence. Prerequisites: 215, or consent of instructor.
- 460-4 Russian Economy.** Development of Russian trade, agriculture, industry, government, finance, and standards of living in successive periods in relation to the historical, geographic, economic, and ideological background. Prerequisite: 215, or GSB 211a, or consent of instructor.
- 461-8 (4,4) Comparative Economic Development in Asia.** A comparison of the economies of Japan, India, and China within the framework of emerging economic theory of developing economies (a) Japan from Tokugawa period to the present (b) contemporary China and India. Prerequisite: 215, or GSB 211, or consent of the instructor.
- 462-4 Economic Development of the Middle East.** Economic structure of the countries constituting the Middle East; economic, political, social, and cultural forces influencing economic development. Prerequisite: 215.
- 465-4 Mathematical Economics I.** A systematic survey of mathematical economic theory. Conditions of static equilibrium (including stability conditions), optimizing behavior under constraints, and dynamic economic models. Prerequisite: 440 or consent of instructor.
- 467-4 Econometrics I.** Introduction to resource allocation under uncertainty. Probabilistic economic models, theory of games and economic choices, and stochastic economic processes. Prerequisite: consent of instructor.
- 471-4 Land Resource Economics.** (Same as Forestry 471 and Agricultural Industries 471.) The use of land as an economic variable in production of goods and services; land market; group versus individual conflicts; elementary land resources planning techniques. Prerequisite: 440, or 441, or Agricultural Industries 350, or Forestry 470.
- 472-4 Dynamic Economics: Fluctuations and Growth.** A study of the causal factors which produce fluctuations in economic activity and/or economic growth. An identification of the factors which affect the length of the cycle, its amplitude, and the stability of equilibrium. An examination of the theories and issues of economic growth. Prerequisite: 441 or consent of instructor.
- 481-4 Comparative Economic Systems.** Capitalism, socialism, fascism, and other forms of the economy. Prerequisite: 215, or consent of instructor.
- 490-4 Workshop in Economic Education.** (Same as Elementary or Secondary Education 490.) Designed to assist elementary and secondary school teachers in promoting economic understanding in the minds of their students through the translation of economic principles and problems into classroom teaching materials.
- 500-4 to 8 Economics Seminar.**
- 501-1 to 5 Economics Readings.**
- 502-1 to 6 Readings in Resource Economics.**
- 512-4 Labor Economics.**
- 517-4 Monetary Theory and Policy.**
- 520-8 (4,4) Economic Development Theory and Policy.**
- 526-4 Managerial Economics.**
- 530-4 Foreign Trade and Finance.**
- 531-4 Seminar in International Economics.**
- 533-4 Public Finance Theory and Practice.**
- 541-4 National Income Theory.**
- 542-4 Price Theory.**
- 543-4 Seminar in Economic Policy.**
- 545-4 Oligopoly and Related Market Structures.**
- 552-4 Seminar in Economic Thought.**
- 555-4 Seminar in Economic History.**
- 562-4 Seminar in Economic Systems.**
- 566-4 Mathematical Economics II.**
- 567-4 Econometrics II.**
- 575-4 Economic Regulation.**

- 581-4 Economics of Welfare.
 582-4 Economic Behavior.
 583-4 Methodological Foundations of Economics.
 599-1 to 9 Thesis.
 600-1 to 48 Doctoral Dissertation.

Educational Administration and Foundations

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| <p><i>Professors</i> Jacob O. Bach, Ph.D.
 George Bracewell, Ed.D.
 P. Roy Brammell, Ph.D.
 Royce R. Bryant, Ed.D.
 John Childs (<i>Emeritus</i>)
 Raymond H. Dey, Ed.D.
 Parmer L. Ewing, Ed.D.
 John B. Hawley, Ph.D.
 Robert Jacobs, Ed.D.
 John E. King, Ph.D. (<i>Chairman</i>)
 Eugene Lawler (<i>Emeritus</i>)
 Arthur E. Lean, Ph.D.
 William R. McKenzie, Ed.D.
 Bruce W. Merwin, Ph.D. (<i>Emeritus</i>)
 Charles D. Neal, Ed.D.</p> | <p>F. G. Warren, M.A. (<i>Emeritus</i>)
 <i>Associate Professors</i> Fred J. Armistead, Ph.D.
 Woodson W. Fishbach, Ph.D.
 James Herrick Hall, Ed.D.
 William Shelton, Ph.D.
 <i>Assistant Professors</i> Dale E. Kaiser, Ph.D.
 Edward B. Sasse, Ph.D.
 Samuel M. Vinocur, Ph.D.
 Herbert W. Wohlwend, Ph.D.
 <i>Instructor</i> Herall Largent, M.S.
 <i>Lecturer</i> Loren B. Jung, Ph.D.</p> <hr/> <p><i>Visiting Professor</i> George S. Counts, Ph.D.</p> |
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Course Descriptions

- GSB 331-3 The American Educational Systems.**
355-4 Philosophy of Education. (Same as Philosophy 355.) The philosophical principles of education and the educational theories and agencies involved in the work of the schools.
360-4 Subcultures in American Education. Poverty, racial prejudice, and various subcultural issues as may relate to American educational development. Analysis of conflicting systems of cultural values and norms and their implications.
431-4 History of Education in the United States. An historical study of the problems of American Education which have relevance to contemporary education.
432-4 Education and Social Forces. The role of social and cultural forces in the shaping of educational policy in the United States. Emphasis on voluntary associations, political parties, media and mass communication, cultural traditions, and the operation of social forces in other societies.
500-4 Research Methods.
501-12 (4,4,4) Seminar in Educational Administration.
502-4 Seminar in Comparative Education.
502S-4 Seminar in Comparative Education: Soviet Russia.
503-4 Seminar in Philosophy of Education.
504-4 Seminar in History of European Education.
506-4 Seminar: Curriculum in Relation to American Culture.
507-12 (4,4,4) The Twentieth Century and Education.
508-8 (4,4) Interdisciplinary Seminar in Education Administration.
511-12 (4,4,4) Internship Practicum.
512-3 Workshop in Adult Education.
520-8 (4,4) Legal Basis of American Education.
524-12 (4,4,4) School Administration.
527-2 to 4 Current Issues in School Administration.
533-4 School Buildings.
534a-4 School Finance.
534b-4 School Business Administration.
534c-2 to 4 Educational Application of Electronic Data Processing.
535-4 Research in Problems of School Administration.
536a-3 Administrator's Workshop.
539-4 Community Development Through the School.
554-4 Contrasting Philosophies of Education.
556-8 (4,4) School Supervision.
560-4 Curriculum.
563-4 School Public Relations.

- 564-4 High School Principalship.
- 575-1 to 4 Individual Research.
- 576-1 to 4 Readings in Administration and Supervision. (Selected areas with 1 to 4 hours in each.)
- 589-2 to 12 General Graduate Seminar.
- 591-2 Seminar—Social and Philosophical Foundations.
- 592-4 Doctoral Seminar in Cultural Foundations of Education.
- 596-5 to 9 Independent Investigation.
- 597-1 to 3, 598-1 to 3, 599-1 to 3 Thesis.
- 600-1 to 48 Dissertation.

Elementary Education

- Professors Rebecca Baker, Ph.D.
Margaret Hill, Ed.D.
J. Murray Lee, Ph.D.
Willis Malone, Ph.D.
Ted R. Ragsdale, Ph.D.
Victor Randolph, Ph.D.
Fred A. Sloan, Jr., Ed.D. (*Chairman*)

Associate Professors Mary E. Entsminger, M.A. (*Emerita*)
Luther Bradfield, Ed.D.
- Ernest Brod, Ed.D.
Miriam Dusenbury, Ph.D.
John Richard Verduin, Ph.D.

Assistant Professors Ian Beattie, Ph.D.
Daniel T. Fishco, Ed.D.
Dormalee Lindberg, Ed.D.
Donald Paige, Ed.D.

Instructors Margaret Matthias, M.S.
Audrey Tomera, M.S.
Billie Zimny, M.S.

Bachelor of Science Degree, COLLEGE OF EDUCATION

Following are the requirements for the Bachelor of Science degree with concentration in elementary education and meeting the minimum requirements for a Standard Elementary School Certificate on either the early childhood level or the elementary level.

In addition to general university and College of Education requirements a student must (1) meet all requirements pertaining to prerequisites to student teaching and should study the section in this bulletin which lists such requirements; and (2) have at least 24 hours in each of these three fields: language arts, science, social science.

Everyone in elementary education or early childhood education should plan to have September Experience. This experience consists of serving as a teacher aide in an elementary school in the student's own home town after the public schools open in the fall and before the University opens. Usually there is an opportunity for a full two weeks' experience in helping in the classroom. Students can sign up for September Experience during the spring quarter in the office of the Department of Elementary Education, which then makes the necessary arrangements.

ELEMENTARY

General Studies Requirements (Waive GSC-3.)	84
Requirements of Concentration in Elementary Education	94
GSB 211b or Government 300	4
GSB 300b,c	6
Fine Arts electives	9
Language Arts electives	7
Mathematics 310	4
Physical Education for Women 319	4
Area of Specialization	12
Professional Education: (48 hours)	
Educational Administration 355	4
Guidance 305	4

Elementary Education 314, 337, 351b-16	24
Electives	16
<i>Other Electives</i>	14
<i>Total</i>	192

EARLY CHILDHOOD

<i>General Studies Requirements</i> (Waive GSC-3.)	84
<i>Requirements for Concentration in Elementary Education</i>	99
GSB 211b or Government 300, GSB 300b,c	10
Art 300	4
Language Arts electives	6
Mathematics 310	4
Music 010e (or proficiency), 300c	6
Physical Education for Women 319	4
Secretarial and Business Education 241	1
Technical and Industrial Education 302	4
Area of Specialization	12
<i>Professional Education: (48 hours)</i>	
Educational Administration 355	4
Guidance 305	4
Elementary Education 309 (winter only), 316, 337, 350b-16 ..	27
Electives	13
<i>Electives</i>	9
<i>Total</i>	192

Course Descriptions

000-0 Reading and Study Techniques. A service course to aid students in improving reading and study skills. Time schedules, general principles of effective study, improving reading, making notes, etc.

100-3 Introduction to Elementary Education. A thorough investigation of the factors which are involved in teaching in the elementary school.

101-2 Developing Reading and Learning Skills. (Same as Secondary Education 101.) Designed to increase reading and study efficiency. Areas covered include speed, comprehension, vocabulary, study skills, (concentration, note-taking, test-taking, time-scheduling, etc.). Open to all students.

203-3 Understanding the Elementary School Child. Concepts needed to understand the child in the elementary school situation. Two hours lecture and two hours observation. Prerequisite: GSB 201c.

309-3 Kindergarten-Primary Social Studies Methods. The objectives and methods of teaching social studies at the kindergarten-primary level, culminating in the planning of a unit of work. Prerequisite: 316.

314-4 Elementary School Methods. The fundamental principles of education, the interpretation of current educational theory and practice, the processes of teaching and learning involved in elementary education. Prerequisite: Guidance 305.

316-4 Kindergarten-Primary Methods and Curriculum. Philosophy and principles underlying the teaching of four-to-eight-year-olds. Emphasis upon organization, equipment, materials and methods for promoting growth of young children. Prerequisite: Guidance 305.

337-4 Reading in the Elementary Schools. The principles of reading, factors that condition reading, together with grade placement of aims and materials; diagnostic and remedial treatment. Prerequisite: 314.

350-4 to 16 Kindergarten-Primary Student Teaching.

351-4 to 16 Elementary Student Teaching.

375-2 to 3 Readings in Elementary Education.

401-2 to 4 Problems in Public School Reading. Requirements: attendance at all sessions of a reading conference; preparation of a paper showing practical applications of theory to the student's own teaching situation.

410-4 Improvement of Instruction in Arithmetic in Kindergarten-Primary

Grades. Recent findings and current practices in building a basis for quantitative thinking in early childhood education. Special emphasis upon grade placement of content and of techniques to aid children in understanding of the number system.

411-4 Seminar in Instruction. To assist student teachers and in-service teachers in solving classroom problems. Involves clinical study and discussion of behavioral and learning situations, with special attention to the development of characteristics and needs of students.

413-4 Children's Literature. Emphasizes types of literature, analysis of literary qualities, selection and presentation of literature for children. Not for students who have had English 213. Prerequisite: Guidance 305.

415-2 to 4 Improvement of Instruction in Arithmetic in the Elementary School. Items to be taught, the grade placement of content, newer instructional practices and materials of instruction, and means of evaluating achievement. Prerequisite: consent of instructor.

430-3 Workshop in Creative Writing in the Elementary School. Techniques of encouraging creative writing in the elementary school.

431-2 to 4 Education for the Disadvantaged Child. An understanding of culturally disadvantaged children with emphasis on the nonurban poor. Discussion of necessary adjustments of school programs emphasizing early school admission, experimental background, self-concept, language development and learning style. Prerequisite: 337.

433-4 Workshop in Kindergarten-Primary Education. Meets needs of in-service teachers in such areas as curriculum adjustment, remedial teaching, child development, and early childhood education. No credit if student has had 333 or 390.

435-4 to 8 Workshop in Elementary School Foreign Language Instruction.

437-4 Problems in Reading. Practices and trends in the teaching of reading; materials of instruction in reading, particularly remedial materials; techniques and materials for prevention of reading difficulties; diagnosis and remediation of reading difficulties. Prerequisites: senior standing, 337. Not open to students having had 505.

441-4 Workshop in Elementary School Science. Acquaints teachers with new science curriculum materials and provides experience with the materials. Success in the course is not necessarily dependent upon the student's background in science. Prerequisite: 314.

442-4 Teaching Elementary School Science. Purposes of and instructional procedures used in teaching various science curriculum materials. Success in the course is not necessarily dependent upon the student's background in science. Prerequisite: 314.

443-4 Workshop in Social Studies. Material on critical areas of the world, not commonly emphasized in elementary social studies. Areas considered; significant geographical concepts, Asia, Africa, Russia, and Eastern Europe. Outstanding specialists in social science present their specialties.

445-4 Parent Involvement in Education. Materials, techniques, and resources suitable for use by teachers in helping parents and teachers to understand how they can help each other in the partnership responsibilities of the education of culturally disadvantaged children. Prerequisite: Student teaching or consent of instructor.

465-4 Seminar in Psychology of Elementary School Subjects. Psychological principles of learning applied to the mastery of materials used in elementary school subjects. Prerequisites: 314, Guidance 305.

475-2 to 8 Workshop in Elementary Education. Evaluation of innovative programs and practices. Acquaints teachers within a single school system, or a closely associated school system, with the philosophical and psychological considerations and methods of implementation of new programs and practices in one of the following areas: curriculum, supervision, language arts, science, reading, social studies, problems in elementary education, arithmetic, kindergarten-primary, elementary education, administration and supervision. Prerequisite: 314.

490-2 to 3 Workshop in Economic Education in Elementary Schools. (Same as Economics 490.) A study of newer programs stressing economic understandings of the social studies in the elementary school.

503-9 NDEA Summer Institute in Reading.

505-4 Reading in Elementary School.

507-2 to 4 Readings in Reading.

509-4 to 8 Practicum in Reading.

- 510-4 to 8 Seminar: Problems in Reading.
- 514-4 Organization and Administration of Reading Programs.
- 515-4 Special Problems in the Teaching of Arithmetic in the Elementary School.
- 516-4 to 12 Internship in Reading.
- 517-2 to 4 Kindergarten-Primary Practicum.
- 518-2 Supervision of Student Teachers.
- 519-2 to 4 Readings in Research in Elementary Mathematics.
- 520-4 Diagnosis and Correction of Elementary Mathematics Disabilities.
- 521-12 (4,4,4) Diagnosis and Correction of Reading Disabilities.
- 525-4 Kindergarten-Primary Seminar.
- 537-4 Kindergarten-Primary Reading.
- 541-4 Problems in Elementary School Science.
- 542-1 to 4 Language Arts in the Elementary School.
- 543-4 Teaching the Social Studies in the Elementary School.
- 557-4 The Elementary Principalism.
- 558-3 to 4 Leadership in Elementary Education.
- 559-3 Workshop in Instructional Leadership.
- 560-4 Kindergarten-Primary Education.
- 561-4 The Elementary School Curriculum.
- 563-4 Organization of the Elementary School.
- 570-4 Seminar, Research in Elementary Education.
- 575-2 to 4 Individual Research. (Selected areas with 2 to 4 hours in each.)
- 596-5 to 9 Independent Investigation.
- 599-3 to 9 Thesis.
- 600-1 to 48 Dissertation.

Engineering

(See also *Technology, School of.*)

Engineering is the profession in which a knowledge of the mathematical and natural sciences gained by study, experience, and practice is applied with judgment to develop ways to utilize, economically, the materials and forces of nature for the benefit of mankind.

In recent years engineers have been asked to assume responsibility for solving the complex problems of society, recognizing not only the technical aspects but also the sociological implications of their decisions. This engineering curriculum is designed to produce graduates who understand the engineering sciences, social sciences, and humanities, and are able to apply this knowledge to the solution of such problems. Areas of professional activity include research, development, and creative design. Although the graduate of this curriculum is equipped to begin his engineering career, he should recognize the need for continuing education throughout his professional career.

Junior college and transfer students from other institutions should have strong backgrounds in the physical sciences, the social sciences, and the humanities. Students are encouraged to complete specific freshman and sophomore course requirements which include 9 hours of composition and speech; 12 hours of university physics; 10 hours of chemistry; 10 to 25 hours of mathematics, including calculus; 9 hours of analytical mechanics (statics and dynamics); and 3 hours of graphics. Calculus and analytical mechanics are prerequisites for most junior level courses.

The engineering program shown below is designed to provide a basic foundation for the professional engineer. Students with Bachelor of Science degrees in engineering will have an opportunity to specialize further at the graduate level.

Bachelor of Science Degree, SCHOOL OF TECHNOLOGY

General Studies Requirements (Waive GSA-3; substitute GSA-1;

and GSD mathematics.)	67
Requirements for Concentration in Engineering	133
Chemistry 121	10
Mathematics 150-10, 252-9, 305a-3, and either 305b-3 or 455-3	25
Physics 211, 212, 300	16
Graphic Communication	3
GSB 361	(3)
Engineering 100-0, 222-3, 260-9, 300-6, 302-3, 311-9, 313-6, 335-4, 336-4, 338-3, 443-6	53
Optional Groupings	26
Electrical Science & Systems Engineering: 432-3, 436-3, 439a-3, 448a-3, 463a-3; technical electives-11, including at least 6 hours of Electrical Science and Systems Engineering credit.	
Engineering Mechanics and Materials: 447-3, 449-3, 464-3, 413-6, technical electives-11, including at least 3 hours of Engineering credit.	
Thermal & Environmental Engineering: 300-3, 415a-3, 416a-3, 412c-3, 480a,b-6; technical electives-8.	
Total	200

Course Descriptions

100-0 Orientation. (See Engineering Technology 100.)

222-3 Digital Computer Programming. Programming of digital computers in a problem-oriented language (FORTRAN). Problems solved will illustrate some of the elementary methods of numerical analysis. Prepares the student to use digital computers in later courses. Includes programming of a computational problem from inception to completion: formulation and analysis, flow charting, coding, check-out, documentation. Prerequisite: Mathematics 111b.

260-9 (3,3,3) Analytical Mechanics. (a) Principles of mechanics; force systems; statics of particles; statics of rigid bodies in two dimensions and three dimensions; equilibrium; analysis of structures; distributed forces; forces in beams and cables. Prerequisite: Mathematics 150b or concurrent enrollment. (b) Centroids and center of gravity; friction; moments of inertia; kinematics of particles; kinematics of rigid bodies; relative motion. (c) Kinetics of particles; Newton's laws of motion (mass, force and acceleration); kinetics of rigid bodies; D'Alembert principle; work and energy; impulse and momentum. Taken in a,b,c sequence.

300-9 (3,3,3) Thermodynamics. (a) The study of fundamental energy concepts and the laws of thermodynamics, availability of energy, properties of gases, vapors and gas-vapor mixtures, flow and nonflow processes. (b) Engine cycles and applications to internal combustion engines, gas turbines, steam turbines, jet devices, air compressors and air engines. Combustion refrigeration and air conditioning. (c) Axiomatic thermodynamics, criteria for equilibrium; absolute temperature; Maxwell's relations; open systems; the phase rule; systems of one and two components; idealized systems; equations of state; systems involving chemical and electrochemical equilibrium. Prerequisite: Mathematics 252a.

302-3 Heat Transfer. Fundamental modes of heat transfer and application to engineering systems. Steady-state heat transfer by conduction, convection, and radiation. Heat transfer with phase change. Prerequisite: 222, 300a, and Mathematics 305a.

311-9 (3,3,3) Properties of Materials. (a) Introduction to the mechanics of deformable bodies. Torsion: Bernoulli-Euler Beam theory. Inelastic behavior. Stress concentrations. Mohr circle. Thermal stresses. Maxwell and Kelvin-Voigt theories of viscoelasticity. Buckling of columns. (b) Atomic constitution of materials, Lattice theory, structure, point imperfections in solids, diffusion, dislocations, domain structure. Fatigue, friction and wear, polymer characteristics, relation between microscopic and macroscopic properties. (c) Physics

of submicroscopic materials, electronic states in solids, relation of bonding to electrical properties, properties of semiconductors, electron transport, dielectric properties of materials. Prerequisite: 260c, Mathematics 252b.

313-6 (3,3) Fluid Mechanics. (a) A broad introduction to the concepts and principles of fluid statics, kinematics and dynamics using the continuum as a mathematical model. Differential and integral form of the basic law of conservation of mass, Newton's law of motion in the form of Euler's, Bernoulli's and the momentum equation; the basic law of conservation of energy. Laminar and turbulent pipe flow; open channel flow. Turbomachinery. Fluid property measurement. Prerequisite: 260-9. (b) Resistance to flow around submerged bodies, basic boundary layer theory. Dimensional analysis by means of the Buckingham Pi-theorem and the method of non-dimensionalizing the governing equations, dynamic similitude. Perfect gas equations, basic theories of compressible flow in short passages and pipes; shock waves. Inviscid flow concepts including the velocity potential. Must be taken in a,b sequence.

333-3 Electrical Energy Conversion. The principles and physical aspects of electromechanical energy conversion and the basic concepts of machine performance; analysis and performance of D.C. machines. Prerequisite: 331-12.

335-4 Electrical Circuits. Introduction to basic laws and concepts of linear circuits. Direct current analysis; Kirchhoff's laws; principle of superposition; Thevenin's theorem; Norton's theorem; sinusoidal analysis; complex frequency; phasor concepts; resonance. Prerequisite: Mathematics 252a.

336-4 Introduction to Electronics. The ideal amplifier. Diode and controlled source are introduced, followed by a detailed study of actual amplifiers and electronic devices. Includes concepts of device modeling, voltage, current and power gain, input and output impedance, and biasing. Current technology of field effect, and bipolar junction integrated circuits and devices. Prerequisite: 335.

338-3 Electromagnetic Fields. Electric and magnetic fields using Vector Analysis. Evolution of Maxwell's equations through the laws of Coulomb, Gauss, Ampere, and Faraday and the concepts of energy, potential, and Poisson and Laplace fields. Prerequisite: Mathematics 305a.

370-4 Theory of Stochastic Processes. Concept of a stochastic process. Renewal theory. Markov processes with application to reliability of systems, queues, and other problems of engineering interest. Related statistical problems. Prerequisite: 300a,b.

401-6 (3,3) Principles of Propulsion. (a) Basic principles of propulsion dynamics. (b) Thermodynamics of fluid flow and application to propulsion engines. Must be taken in a,b sequence. Prerequisite: 309a,b,c, and 313.

406-3 Introductory Wave Motion. Wave motion in strings and bars. Fourier methods. Wave motion in fluids. Electromagnetic waves. Prerequisite: Mathematics 252b.

409-3 Engineering Hydrology. Hydrologic cycle and analyses. Infiltration studies, groundwater exploration. Statistical analyses, flood routings. Mechanics of entrainment, movement and deposition of sediment material by moving fluids. Analysis of roughness and sediment transport rate in rivers. Prerequisite: 313b.

412-9 (3,3,3) Engineering Practice. (a) Written communication encountered in engineering organizations. Correspondence, memoranda, technical papers, specifications, and reports. Lectures, conferences, and frequent written assignments are adapted to the individual needs of each student. (b) The law of contracts with enough emphasis on legal procedure to enable students to understand decided cases. Practice in applying some of the principles. (c) Engineering data evaluation by application of statistical techniques. Design of engineering experiments. Prerequisite: 222 and Mathematics 252a.

413-6 (3,3) Intermediate Mechanics of Fluids. (a) Application of basic laws of nature to the theory of fluids using the continuum approach. Kinematics of fluid motion using various coordinate systems; the continuity equation. Dynamics of viscous fluid motion; the Navier-Stokes energy equations. Solutions to the fundamental system of equations. (b) Introduction to magneto-fluid mechanics. Dimensional analysis. Incompressible irrotational flows. Fundamentals of compressible fluid flow including isentropic flows, normal and oblique shocks, and Prandtl-Meyer expansions. Turbulence. The application of the equations of motion to turbulent flow fields. Reynolds equations. Production, convection, and dissipation of turbulence. Prerequisite: 313a,b, and Mathematics 305a.

415-9 (3,3,3) Principles of Water Quality Control. (a) Characteristics of water

quality, natural and man-made; relationship of quality to use; unit operations or water quality control for municipal and industrial use. (b) Characteristics of waste waters; biological and chemical processes for treatment of sewage and industrial wastes; water quality criteria in stream pollution control. (c) Application of physical, chemical, and biological unit operations and processes to design of waste treatment facilities. Laboratory. Prerequisite: Chemistry 121b, and Mathematics 150 or equivalent.

416-6 (3,3) Air Pollution Control. (a) Introduction to emission sources, transport/diffusion, and effect of air pollution. Aspects of social, meteorological, biological, physiological, and chemical relationships plus control methods and economics included. Laboratory. (b) Engineering control theory, procedures, and equipment related to particulate and gaseous emissions control. Source and atmospheric sampling and analytical techniques covered. Laboratory.

417-3 Dynamics of Compressible Fluid Flow. Fluid dynamics and thermodynamics applied to compressible fluid flow. One and two dimensional subsonic and supersonic flows. Method of characteristics; shock wave theory, design. Prerequisite: 300b and 313.

420-9 (3,3,3) Transport Phenomena. (a) Mechanism of heat, mass and momentum transport on both molecular and continuum basis. Estimation of transport properties. Generalized equations of transport in one or three dimensional system. (b) Interphase transport in isothermal and nonisothermal systems. Unsteady state transport problems in multicomponent systems. Mechanism ratio analysis. Analogy of mass, heat and momentum transfer. (c) Macroscopic balances, diffusion operations, penetration theory, simultaneous mass and heat transfer, equilibrium operations. Prerequisite: 302a and 313b.

421-3 Introduction to Systems Theory. Description of physical systems and analysis of system properties and system interaction using a generalized mathematical model. Prerequisite: Mathematics 305b.

422-4 Operations Research and Mathematical Model Formulation. Applications of digital computers to the mathematical modelling of physical systems with particular emphasis on the simulation and problem solving techniques of operations research. Dynamic models of transportation, allocation, and replacement. Physical applications and computation techniques related to the theory of games. Prerequisites: Mathematics 150b or consent of instructor.

423-3 Hybrid Computation. The simultaneous use of the analog and the digital computer for the solution of engineering problems. Scaling of problems. Block diagrams and logic are stressed. Linear and nonlinear differential equations. Simulation as well as iterative analog computation are covered. Prerequisite: 222 and 432 or equivalent.

426-3 Communications Theory. Fourier spectral analysis, sampling theory, modulation, multiplexing, random signal theory, signal to noise ratio, and basic information theory. Prerequisite: 336.

430-2 to 8 Special Problems in Industry and Technology. Special opportunity for students to obtain assistance and guidance in the investigation and solution of selected technical problems. Prerequisite: consent of instructor.

431-6 (3,3) Analog and Digital Computer Design. Introduction to the design of analog and digital computers. Subjects include: operational amplifiers, multiplying circuits, regulated power supplies, 3 column algebra, switching circuits, memory devices. Prerequisite: 336.

432-3 Analog Computation in Engineering Design. An introduction to the theory and operation of an analog computer. Applications to engineering design, simulation, optimization. Laboratory. Prerequisite: Mathematics 305a.

434-4 Electronic Design. Applications of electronic circuits including wide band amplifiers, oscillators, modulation and detection, power amplifiers and digital circuits. Device models studied include high frequency, y parameter, T-equivalent, and Beaufoy-Sparkes charge control. Introduction to computer aided techniques. Laboratory. Prerequisite: 336.

436-3 Control Theory. Develops and makes use of the students' knowledge of electrical systems. Topics include Laplace transforms, stability conditions, compensation techniques, and state variables. Prerequisite: 439a.

437-4 Microwaves Theory and Measurements. Theory of passive microwave devices for guiding, storing, coupling, or radiating electromagnetic energy. Theory of active and non-linear devices including klystrons, circulators, and isolators. Microwave measurements. Prerequisite: 338.

439-6 (3,3) Transient Analysis. Linear electrical and mechanical networks by means of the Laplace transform. Nonlinear networks are analyzed using

the analog computer and phase plans techniques. Prerequisite: 331b, Mathematics 306b.

438-3 Electronic Devices. Semiconductor, magnetic, dielectric, and vacuum devices with wide range of engineering applications. Develop understanding of the mechanisms of operation. Prerequisite: senior standing.

439-6 (3,3) Transient Analysis and Network Theory. (a) Transient analysis of linear electric networks and analogous systems by means of differential equations and Laplace transforms. (b) One- and two-port networks, reactive, ladder, T and Pi networks, Foster and Cauer forms, and m- and k-derived filters. Prerequisite: 336.

440-6 (3,3) Structures. (a) Analysis of statically determinate and statically indeterminate structures. Deflections. Slope deflection. Moment distribution. Model analysis. (b) Principles of structural design. Loads. Influence diagrams. Factor of safety. Structural materials. Structural requirements. Types of structures and their behavior. Must be taken in a,b sequence. Prerequisite: 311a.

441-3 Intermediate Mechanics of Vibrations. Equations of motion applied to systems with free and forced vibrations, damping, and multiple-degrees of freedom; Euler's equations; introduction to Lagrange's equations; and introduction to orbital mechanics. Prerequisite: 260c and Mathematics 305.

443-6 (3,3) Engineering Design. Projects of an engineering systems design nature. Students select a problem, define and design the various subsystems, define subsystem interface requirements, integrate the subsystems into the final design, and document the design effort. Laboratory. Must be taken in a,b sequence. Prerequisite: senior standing in engineering.

444-4 Design of Reinforced Concrete. Ultimate strength and behavior of reinforced concrete members. Flexure. Shear. Bond. Continuity. Compression members. Prerequisite: Engineering 448a,b.

446-6 (3,3) Energy Conversion. Theory of energy conversion devices and processes. Conventional rotating machines, and direct energy conversion devices such as: photovoltaic, thermoelectric, and thermionic generators, fuel cells, and magneto hydrodynamic generators. Present development and application, future potential. Prerequisite: 335 and 338.

447-3 Intermediate Mechanics of Materials and Structures. Stress and strain at a point in three dimensions. Theory of elasticity. Shear center; unsymmetrical bending; curved beams; elastic foundations; thick walled cylinders; theory of failures; energy methods. Prerequisite: 311a.

448-4 Experimental Stress Analysis. Theoretical and experimental methods of determining stresses and strains; use of optical, electrical, and mechanical instrumentation; relation of model and prototype; brittle coating; electrical resistance gages; photoelasticity. Prerequisite: 311a,b or Engineering Technology 311a.

449-3 Intermediate Dynamics. Kinematics and kinetics of three-dimensional motion; Coriolis' acceleration; rigid body motion; central force motion; gyro-dynamics; generalized coordinates; Euler's equations of motion; Lagrange's equations. Prerequisite: 260c.

450-4 Fundamentals of Reactive Systems. Chemical processes, stoichiometry, properties of gases, solution chemistry, modern techniques of analysis, surface chemistry. Nonideal systems, rates and mechanisms of industrial processes. Instrumentation and process control. Laboratory. Prerequisites: 300a and Chemistry 111c or consent of instructor.

455-3 Engineering Geology. (Same as Geology 455.) Engineering problems encountered by man in dealing with geology and ground water. It will include studies of earthquake effects, land subsidence, landslides, pore water pressures, and methods of coping with these. Field trip required. Prerequisite: Geology 220 or consent of instructor.

459-4 Engineering Economy II. An analytic approach to economic aspects of professional engineering practice. Fundamental techniques of economy studies including replacement theory, cost control, analysis of risk and uncertainty, income taxes, and methods and formulas employed by industry. Prerequisite: GSB 361 or consent of instructor.

462-6 (3,3) Matrix Methods in Structural Analysis. (a) Introduction to matrix algebra. Matrix force method. Stiffness matrix method. Matrix displacement method. Computer analysis of trusses and frames. Moment distribution. (b) Introduction to undamped and damped vibrations. State and transfer matrices in vibration analysis. Miscellaneous applications. Prerequisites: 311a.

463-6 (3,3) Introductory Instrumentation. (a) Characteristics and techniques in analog and digital instrumentation; transducers; signal conditioners; output and display systems; recorders. Laboratory. (b) Ultrasonic techniques; fringe patterns, Fresnel and Schlieren lenses, Moire patterns, pattern enhancement methods, optical systems. Laboratory. Must be taken in a,b sequence. Prerequisite: 336.

464-3 Intermediate Materials Science. Internal structure, treatment, and properties of metals and intermetallic compounds. Theory of dislocations in metals. Plastic flow, phase transformations, martensitic transformation, and X-ray diffraction identification of metallic phases. Prerequisite: 311c.

480-9 (3,3,3) Engineering Process Design. (a) Design of process equipment. Application of the fundamentals of conduction, convection, and radiation heat transfer. Combined mode and transient heat transfer. Design of equipment using simultaneous heat and mass transfer. (b) Design of process equipment. Application of the fundamentals of diffusion and mass transfer operations. Multi-component systems and stagewise operations. (c) Original design of a process and determination of process variables and equipment. Analysis of construction cost. Prerequisite: 300a,b, 313a.

500-3 Convection Heat Transfer.

501-3 Radiation Heat Transfer.

502-3 Conduction Heat Transfer.

503-6 (3,3) Heating and Cooling Systems.

510-9 (3,3,3) Electromagnetic Fields.

511-6 (3,3) Quantum Electronics.

512-4 Continuum Mechanics.

513-3 Mechanics of Viscous Fluids.

514-3 Mechanics of Inviscid Fluids.

515-3 Wave Motion in Fluids.

516-8 (4,4) Water Resources Development.

517-12 (4,4,4) Analysis and Design of Engineering Systems.

518-3 Introduction to Turbulence.

519-3 Boundary Layer Theory.

520-6 (3,3) Reaction Engineering and Rate Processes.

522-3 Advanced Topics in Operations Research.

525-3 Small Particle Phenomena.

530-6 (3,3) Separation Processes and Equilibrium Operations.

535-6 (3,3) Network Analysis and Synthesis.

540-3 Elastic Stability.

542-3 Theory of Plates.

544-4 Plastic Analysis of Structures.

561-6 (3,3) Advanced Vibrations.

570-2 to 6 Special Investigations.

576-2 to 4 Human Engineering.

580-1 to 9 Seminar.

599-1 to 9 Thesis.

Engineering Technology

(See also Technology, School of.)

Course Descriptions

100-0 Orientation. (Same as Engineering 100, Industrial Technology 100.) Introduction to engineering and technology. Develops an understanding of the role of engineering and technology in industry and guides thinking in relation to occupational goals.

102-9 (3,3,3) Graphic Communication. (a) Basic principles of graphic communication including orthographic (multiview) projection; sections and conventions; charts and graphs; pictorial drawing; and conceptual design. (b) Principles of graphic communication. The graphical solution of problems involving the spatial relationships of points, lines, and planes. (c) Principles and practice of graphic communication including auxiliary views; dimensioning and tolerancing; applications in technology; and conceptual design. Six hours lecture-laboratory per week for each section. Must be taken in a,b,c sequence.

260-9 (3,3,3) Statics and Dynamics. (a) Principles of forces, moments, and static equilibrium. (b) Moments of inertia and kinematics of particles and rigid bodies. (c) Dynamics, work, energy, impulse, and momentum. Must be

taken in a,b,c sequence. Prerequisite: Mathematics 150b or concurrent enrollment.

301-6 (3,3) Refrigeration and Air Conditioning. (a) Discussion of refrigerating cycles. Refrigeration at more than one level. Operation and ratings of various types of compressors, evaporators, condensers, and automatic controls used in commercial refrigerating systems. Heat flow problems in condensers, evaporators, and cooling towers. (b) Control of temperature and humidity in buildings, or other large areas. Air handling equipment, duct systems, and air distribution within the space. Fundamental principles and techniques for cooling and dehumidification for comfort. Equipment and control systems. Must be taken in a,b sequence. Prerequisite: Engineering 313a.

303-9 (3,3,3) Electronics Technology. A study of the fundamentals of vacuum tubes and transistors, including application of these devices in electronic circuits. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 304-9.

304-9 (3,3,3) Electrical Circuits. (a) Foundations of electrical theory, solutions to D.C. steady state networks by the branch method, equivalent circuits, loop currents, and node voltages. Study of network theorems and dependent sources. Prerequisite: Mathematics 150a. (b) A.C. circuit theory by phasor transform method, complex power, three phase sources, mutual coupling, transformers. Prerequisite: 304a and Mathematics 150b. (c) Complex frequency, frequency response from pole-zero plots, Bode plots, transient analysis, introduction to Laplace transform methods. Laboratory. Prerequisite: Mathematics 150b or concurrent enrollment.

308-9 (3,3,3) Machine Design. (a) Applications of the principles of mechanics to problems of design and development, mechanisms for specific functions, dynamic effects and friction in mechanisms. (b) Strength and safety considerations in design of machine parts. Fatigue and stress concentrations; power transmissions, bearings, brakes, clutches, and springs. (c) Combined stresses; helical, bevel, and worm gearing; curved beams, thick cylinder and flat plates; high-speed cams. The student puts previous studies into practice by design of a complete machine. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 260-9.

310-9 (3,3,3) Construction Mechanics. (a) A study of construction methods, the forces involved in the management of machinery and manpower. (b,c) The dynamics of estimating, scheduling and controlling procedures. Must be taken in a,b,c sequence. Prerequisite: 260-9.

311-6 (3,3) Strength of Materials. (a) Stress and strain in elastic and plastic states. Failure theories; elastic torsion; thick cylinders; energy methods. (b) Mechanics of elastic and plastic materials, applications to brittle, ductile, and transitional modes of fracture and fatigue. Laboratory. Prerequisite: 260b.

313-8 (4,4) Elementary Heat Power. (a) The fundamental laws of heat power, properties of systems, liquids, vapors, and liquid-vapor mixtures. (b) Engine cycles and applications. Prerequisite: Mathematics 150a.

314-9 (3,3,3) Soil Mechanics. (a) Mechanics of soil masses; soils as engineering materials. Soil identification and testing. (b) Shearing resistance and consolidation of soils, deformations with an analytical review of the theoretical concepts, results of laboratory materials, including cement, foundation, and surfacing materials. Use of X-ray diffraction and Debye-Scherrer camera equipment. Influence of mineral constituents on soil behavior and design. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 311b.

315-3 Elementary Structural Analysis. Application of the principles of mechanics to the determination of forces and deflections in statically determinate structures for fixed and moving loads. Prerequisite: 311b.

318-9 (3,3,3) Hydraulics. (a) Fundamentals of fluid statics. Basic fluid flow concepts with applications. (b) Flow in open and closed conduits. Fundamentals of compressible fluid flow. Experimental techniques including the theory of hydraulic models and flow measuring techniques. Basic hydraulic machinery. Laboratory. (c) Hydrology. Flood routing and flood control. Fundamental principles of sediment transport and the collection and analysis of field data. Field trip. Must be taken in a,b,c sequence. Prerequisite: 260-9.

320-9 (3,3,3) Mechanical Laboratory. (a) A study of various types of measuring instruments. (b) Fuels and lubricants testing and exhaust gas analysis. (c) A study of the characteristics of internal combustion engines, steam turbines, compressors, pumps, fans, and refrigeration systems. Report writing. Laboratory. Must be taken in a,b,c sequence. Prerequisite: Engineering 313a.

322-6 (3,3) Power Plants. (a) The design and principles of operation of in-

ternal combustion engines. The Otto, Diesel, and Brayton cycles and the fundamental thermodynamic laws involved. (b) Theories of combustion and detonation, combustion charts, fuels, and air tables. Effects of chemical equilibrium and variable specific heats. Cetane and octane numbers; carburetion and injection. Must be taken in a,b sequence. Prerequisite: Engineering 313a.

332-9 (3,3,3) Electrical Machinery. (a) Introduction to direct and alternating current machinery. Theory and operating characteristics. (b) Advanced studies on polyphase alternators, motors, machinery, and power generation. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 304b.

336-3 Electrical Measurements. Theory and use of D.C. and A.C. instruments; analysis of sensitivity, accuracy, precision, and error. Prerequisite: 304-9.

337-3 Material and Energy Balances. Application of physical and chemical principles in the solution of industrial process problems. Introduction to equilibrium and rate relations. Prerequisite: Chemistry 121a.

338-12 (4,4,4) Electrical Instrumentation. (a) A discussion of the basic operating principles of control instruments and their applications to industrial processes. (b) The application of commercially available instruments to research problems. Dynamic and static calibration of instruments. (c) Control elements and techniques for devices and processes, dynamics of open and closed cycles control systems. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 304, 332a.

340-4 Mechanisms. The movement of bodies in space, basic mechanisms including analytical and graphical analysis. Linkages, cams, gears and their manufacture. Vibration, critical speeds, and gyroscopic applications. Laboratory. Prerequisite: 260-9.

342-3 Technology Design. An elective project on any engineering subject selected by the student with advice from the instructor. Stimulates original thought and creativity. Laboratory. Prerequisite: senior standing.

347-3 Foundations. Subsurface investigation, theory of consolidation and settlement, strength theory and conditions of failure due to stresses imposed by engineering structures on foundation materials. Laboratory. Prerequisite: 311b and 314b.

349-9 (3,3,3) Unit Operations. (a) Heat, mass and momentum transfer in processing industries. Empirical correlations of experimental data. Equipment design. (b) Stagewise operations, graphical solutions of mass and heat transfer problems. Applications in evaporation, drying and distillation. Process design. (c) Two phase separations, gas absorption, solvent extraction and leaching. Experimentation. Prerequisite: 337.

363-12 (4,4,4) Surveying. (a) Use and care of surveying instruments; principles of surveying; computations; concepts and applications of advanced surveying. (b) Route surveying; field astronomy; land surveying; state coordinate systems; construction surveying; geodesy. (c) Precise surveying; topographic surveying; least squares adjustment methods; other surveying applications and geodetic principles. May be taken in a,b, or a,c, or a,b,c sequence. Prerequisite: 102b and Mathematics 111b.

364-6 (3,3) Highway Engineering. (a) Highway administration, planning, economics and finance. Highway surveys, plans and computation. Traffic engineering. (b) Highway design, drainage, roadside development and subgrade structure. Instruction in all types of base courses, surfaces and paving. Highway construction and maintenance. Preferred in sequence but not required. Prerequisite: 314a, 363a and senior standing.

426-9 (3,3,3) Photogrammetry. (a) Cameras and photography; flight planning; mathematical principles of vertical and tilted aerial photographs; ground control methods; extension of control; stereoscopy and parallax; basic instruments, stereo plotters, and latest developments. (b) Rectification of tilted photographs; stereoscopic plotting instruments; principles and use of oblique photography; analytic photogrammetry and new concepts. (c) Analysis of aerial photographs to determine soil and rock formations and their properties; interpretations for engineering and regional planning purposes. Laboratory. May be taken in a,b, or a,c, or a,b,c sequence. Prerequisite: 363 or consent of instructor.

430-2 to 8 Special Problems in Industry and Technology. Special opportunity for students to obtain assistance and guidance in the investigation and solution of selected technical problems. Prerequisite: consent of coordinator.

437-9 (3,3,3) Industrial Electronics and Communications. (a) Design of matching networks, impedance-admittance locus diagrams, transmission line equations, transmission line charts, stub matching. Prerequisite: 303a. (b)

Electromagnetic fields in rectangular and circular wave guides, microwave techniques, antennas. (c) Unified treatment of various types of transmission systems with emphasis on the role of system bandwidth and noise in limiting the transmission of information.

440-8 (4,4) Design and Analysis of Industrial Organizations and Productivity. Case studies of industrial production methods and the process of industrial decision making; determinants of manpower utilization; transfer and processing of information, determinants of productivity levels. Prerequisite: consent of instructor.

465-8 (4,4) Industrial Safety. (Same as Technical and Industrial Education 465). (a) Basic fundamental principles of industrial accident prevention; significant accident statistics and costs; appraising safety performances; industrial plant hazards and safeguards; fire control fundamentals. (b) Effective industrial safety organizations, management and supervision; safety psychology; safety training programs; industrial hygiene programs; health safeguards; occupational diseases and other industrial hazards. Prerequisite: junior standing.

526-9 (3,3,3) Surveying and Photogrammetry.

527-9 (3,3,3) Transportation and Highway Engineering.

English

Research Professor Harry T. Moore, Ph.D.

Professors James W. Benziger, Ph.D.

E. C. Coleman, Ph.D. (*Emeritus*)

Hugh Duncan, Ph.D.

William Evans, D.Ed.

Joseph H. Friend, Ph.D.

Thomas Kinsella

Sidney Moss, Ph.D.

Henry Dan Piper, Ph.D.

Howard Schultz, Ph.D.

William Simeone, Ph.D.

E. Earle Stibitz, Ph.D.

Charles D. Tenney, Ph.D.

David Vieth, Ph.D.

Howard Webb, Ph.D. (*Chairman*)

Georgia Winn, Ph.D.

Associate Professors Frances M. Barbour, M.A. (*Emerita*)

Ted E. Boyle, Ph.D.

Alan M. Cohn, M.A.

Daniel Cook, Ph.D.

Edmund Epstein, M.A.

John Gardner, Ph.D.

Mark Hillegas, Ph.D.

Edith Krappe, Ph.D. (*Emerita*)

Paul Morrill, Ph.D.

Charles Parish, Ph.D.

Robert Partlow, Ph.D.

Raymond Rainbow, Ph.D.

James E. Redden, Ph.D.

Assistant Professors Bruce C. Appleby, Ph.D.

Julia M. Barber, A.M. (*Emerita*)

William J. Brown, Ph.D.

Winifred Burns, M.A.

George Camp, Ph.D.

Patricia Carrell, Ph.D.

Thomas Cassidy, M.A.

Elizabeth A. Cox, A.M. (*Emerita*)

Thomas W. Davis, Ph.D.

Herbert Donow, Ph.D.

David Kvernes, Ph.D.

Aristotle Katranides, Ph.D.

George Goodin, Ph.D.

Robert Griffin, Ph.D.

Robert Harrell, Ph.D.

Thomas Hatton, Ph.D.

John Howell, Ph.D.

Paul Hurley, Ph.D.

Howard Keller, M.A.

Richard Lawson, Ph.D.

John Joseph Leonard, M.A.

Fred Lingle, M.A.

Byron Raizis, Ph.D.

Hans Rudnick, Ph.D.

Bernice Warren, Ph.D.

Muriel West, Ph.D.

Instructors Leon Bennett, M.A.

Terence Brown, M.A.

Diana Dodd, M.A.

Lewis Hilliard

Joan Martin, M.A.

Edward McNichols, M.A.

Betty L. Mitchell, M.A.

Lois Richmond, M.A.

Mary Simon, M.A.

Edna Travis, M.S.

Roy Weshinskey, M.A.

The student who wishes to declare English as a concentration should consult the department's director of undergraduate studies as soon as he knows he will concentrate in English. Transfer students from General Studies and other units of Southern Illinois University should bring a Request for Transfer form. Transfers from colleges other than Southern Illinois University should bring their evaluated transcript of grades. Thereafter, all students must have their advance registration forms signed by an adviser. Deviations from approved programs must have approval.

Foreign language requirement for all concentrations in English: two years on the college level (or equivalent).

Bachelor of Science Degree, COLLEGE OF EDUCATION OR
Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES
Option 1 (primarily for teacher-training candidates)

<i>General Studies Requirements</i> (Waive GSC-3.)	84
<i>*Supplementary Two-year College Requirement in FL/Mathematics</i>	
Foreign Language: GSD FL-9 and FL 201-9	18
<i>Requirements for Concentration in English</i>	51
GSC 201, 202, 210 (prerequisite for a concentration) .. (7) + 2	
English 300-6, 302-12, 309a,b or 309a,c, 390, 471b, 485, 495a or 495b	41
One 400-level genre-period course in Poetry and one in Fiction	8
<i>Education Requirements</i> (for certification)	31
Guidance 305 (GSB 201c is prerequisite), Secondary Education 310, 352, two electives	
<i>*Electives</i>	8
<i>Total</i>	192

* English majors in the College of Education are not required to take the Mathematics combination. GSD FL-9 is considered as being part of the General Studies 84-hour requirement. FL 201-9 is required. Electives then total 17 hours.

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES
Option 2 (primarily for nonteacher-training candidates)

<i>General Studies Requirements</i> (Waive GSC-3.)	84
<i>Supplementary Two-year College Requirement in FL/Mathematics</i>	
Foreign Language: GSD FL-9 and FL 201-9	18
<i>Requirements for Concentration in English</i>	53
GSC 201, 202, 210 (prerequisites for a concentration) .. (7) + 2	
English 302-12, 309a, b or 309a, c, 390, 471a, 471b, 495a or 495b	35
One 400-level genre-period course in Poetry and one in Fiction	8
English 400-level electives to complete 53 hours	8
<i>Electives</i>	37
<i>Total</i>	192

Option 3 (primarily for prospective graduate students)

<i>General Studies Requirements</i> (Waive GSC-3.)	84
<i>Supplementary Two-year College Requirement in FL/Mathematics</i>	
Foreign Language: GSD FL-9 and FL 201-9	18
<i>Requirements for Concentration in English</i>	54
GSC 201, 202, 210 (prerequisites for a concentration) .. (7) + 2	
One course in each of the following areas: medieval, Renaissance or 17th century, 18th century, 19th century, 20th century, early American, and American since 1865	28
English 471a, 471b, 495a or 495b	12
English language course	4
English 400-level electives to complete 54 hours	8
<i>Electives</i>	36
<i>Total</i>	192

Option 4

Students may petition to undertake a program which does not match printed requirements. Interested students should discuss this possibility with the departmental director of undergraduate studies.

Option 5

Any of the options outlined above may be modified by entry into the departmental honors program. Eligible students will be invited to enter. Requirements for honors students remain as above except that three pro-seminars substitute for three senior genre-period courses.

Recommended Electives Especially for Option 1.

Journalism 103; 201; 421; 422 or 449	12-13
Theater 402a; 409; GSC 203	11
Speech 202 or 205; 323, 423 or 424; 406 (GSD 103 and GSC 200 are prerequisites)	15

Secondary Concentration

A secondary concentration is 27 hours, prescribed as follows: from GSC 200-level English courses, 6 hours; English 300a,b; 302b, and 302a or c; 309a; 390. Deviations must have departmental approval.

Course Descriptions

105-6 (3,3) English Composition for Foreign Students. A course in writing and reading skills: composition, note-taking, summaries, grammar. Equivalent to GSD 101 and 102. Limited to foreign students selected by proficiency examination on entrance.

300-6 (3,3) Grammatical Analysis. Basic principles of traditional, structural, and generative grammars. Required of all teacher training candidates and minors; elective to others. English 300a is prerequisite for 300b.

302-12 (4,4,4) Survey of English Literature. A survey (a) to 1550, (b) 1550-1750, (c) after 1750. All three courses are required of students with a concentration in English.

309-12 (4,4,4) Survey of American Literature. A survey (a) to 1860; (b) 1860 to 1914; (c) 1914 to the present.

GSC 317-3 Recent American Literature.

GSC 318-3 British Modern Literature and Its Social Context. (Summer, abroad.)

GSC 345-9 (3,3,3) Masterpieces of World Literature.

GSC 351-6 (3,3) Masterpieces of the Novel.

GSC 365-3 Shakespeare.

390-3 Advanced Composition. Expository writing. Prerequisite: C average in GSD 101, 102, and GSC 103.

392-3 Professional Writing I. Introductory course for undergraduates. Prerequisite: consent of instructor.

400-4 Introduction to Structural Linguistics. Methods of structuralizing: phonetics, phonemics, morphemics, syntax. Especially recommended for students preparing to teach English to native speakers.

402-4 Old English Literature in Translation. A study of prose selections from Bede, Aelfric, and other writers, and of poetry from the simplest riddles and gnomic verses to the complex forms of the Caedmonic and Cynewulfian schools, the elegaic poems, and *Beowulf*. Emphasis is on the literary and cultural significance of works studied.

403-4 The History of the English Language. A survey of the development of the language from Indo-European to modern English with special emphasis on Middle and Early Modern English changes.

404-12 (4,4,4) Middle English Literature. (a) Middle English Literature excluding Chaucer, (b) Chaucer: early poems and *Troilus*, (c) Chaucer: *Canterbury Tales*.

405-8 (4,4) Descriptive Linguistics. (a) Structural phonology: survey of phonological theory (phonemic and distinctive feature theory); examination of various phonological systems. (b) Introduction to transformational generative grammar: the basic concepts and formalism of transformational generative grammars. Prerequisite: 400 and 407a or consent of instructor.

406-4 English Phonology. An analysis of spoken English, American and British. Prerequisite: 400 or equivalent.

407-8 (4,4) Articulatory Phonetics. (a) Introduction: mechanics, processes. Laboratory work: transcription, production, perception. (b) Phonetic theory, linguistic phonetics.

410-4 Literature for the Adolescent. Criteria for evaluation of literary materials for junior and senior high school, with emphasis on critical approaches in selection of literature.

412-20 (4,4,4,4,4) English Nondramatic Literature. (a) 16th century. (b) 17th century. (c) The age of Dryden. (d) The age of Pope. (e) The age of Johnson.

417-4 Black Literature. Special studies in Black literature, American and African, with major emphasis upon contemporary Black expression.

418-4 English Literature, 1885-1914. Poetry, drama and fiction of the later Victorian and early modern period.

420-8 (4,4) American Poetry. (a) Trends in American poetry to 1900 with a critical analysis of the achievement of the more important poets, (b) the more important poets since 1900. May be taken singly.

421-16 (4,4,4,4) English Poetry. (a) Early Romantics: major emphasis on general background and on Blake, Coleridge, and Wordsworth; (b) later Romantics: emphasis on Byron, Shelley, and Keats, the minor figures; (c) Victorian poets: Tennyson, Browning, Arnold, and other poets in England, 1830-1880; (d) modern British poets. May be taken singly.

425-4 Modern Continental Poetry. Representative Poems by major 20th century poets of France, Italy, Germany, Spain, Russia, and Greece.

431-12 (4,4,4) Major American Writers. Significant writers of fiction and nonfictional prose from the Puritans to the twentieth century. (a) 1620-1800; (b) 1800-1865; (c) 1865-1915. May be taken singly.

438-4 Intellectual Backgrounds of American Literature. The relationship of basic ideas in America to American literature.

442-4 Romantic Prose. Fiction of Austen, Scott, Mary Shelley, Peacock, the Gothic novelists; prose of Lamb, Landor, Hazlitt, DeQuincey; criticism, journals and letters.

443-4 Victorian Prose. The chief writers of nonfiction prose from the late romantics to 1880.

447-4 American Humor and Satire. A consideration of the writers and forms of nineteenth and twentieth century humor.

454-12 (4,4,4) English Fiction. (a) Eighteenth century: Defoe through Jane Austen, (b) Victorian novel: 1830-1880; (c) twentieth century. May be taken singly.

456-4 Modern Continental Fiction. Selected major works of European authors such as Mann, Silone, Camus, Kafka, Malraux, Hesse.

458-8 (4,4) American Fiction. (a) The novel in America from its beginnings to the early twentieth century; (b) trends and techniques in the American novel and short story since 1914. May be taken singly.

460-16 (4,4,4,4) British Drama. (a) Elizabethan drama: from the beginning of the drama in late Middle Ages through its flowering in such Elizabethan playwrights as Greene, Peele, Kyd, Marlowe, Heywood, Dekker, but excluding Shakespeare; (b) Jacobean drama: the Jacobean and Caroline playwrights: Jonson, Webster, Marston, Middleton, Beaumont and Fletcher, Massinger, Ford Shirley; (c) Restoration and eighteenth century drama: after 1660, representative types of plays from Dryden to Sheridan; (d) modern British drama. May be taken singly.

464-4 Modern Continental Drama. The continental drama of Europe since 1870; representative plays of Scandinavia, Russia, Germany, France, Italy, Spain, and Portugal.

468-4 American Drama. The rise of the theater in America, with readings of plays, chiefly modern.

471-8 (4,4) Shakespeare. (a) The plays before 1600; (b) the plays of 1600 and later. Readings on the life of Shakespeare, the theater, and the acting company. May be taken singly.

473-4 Milton. A reading of a selection of the minor poems, of *Paradise Lost*, *Paradise Regained*, *Samson Agonistes*. Also a reading of the major treatises.

- 485-4 **Problems in the Teaching of English.** Aims, methods, materials, tests, programs, and other aspects of English instruction in the high school.
- 486-2 to 8 **Workshop in High School English.**
- 487-2 to 8 **Workshop in Junior High School English.**
- 492-8 (4,4) **Professional Writing II.**
- 494-4 **Literature in Society.** An analysis of the structure and function of literature as a social institution.
- 495-8 (4,4) **Literary Criticism.** (a) History of criticism: ideas and techniques from Aristotle to the end of the nineteenth century; (b) modern criticism: recent critics and critical attitudes, and practice in writing criticism. Open only to seniors and graduate students.
- 497-12 (4,4,4) **Senior Honors Seminars.** (a,b) Topic will vary yearly. (c) Honors Readings. Enrollment restricted to undergraduates. Departmental approval required.
- 499-2 to 6 **Readings in English.** For English concentrations only. Departmental approval required. No more than four hours may be taken any one quarter.
- 500-2 **Materials and Methods of Research in English.**
- 501-4 **Old English Grammar.**
- 502-4 **Beowulf.**
- 504-8 (4,4) **Advanced English Grammar.**
- 505-8 (4,4) **Contrastive and Historical Linguistics.**
- 506-4 **Old Norse.**
- 508-4 to 12 **Studies in Chaucer.**
- 509-4 to 12 **Studies in Middle English.**
- 511-4 to 12 **Studies in The Renaissance.**
- 513-4 to 12 **Studies in Seventeenth Century Literature.**
- 514-4 to 12 **Studies in Restoration and Eighteenth Century Literature.**
- 518-4 to 12 **Studies in English Literature, 1885-1914.**
- 519-4 to 12 **Studies in Contemporary British Literature.**
- 520-4 to 12 **Studies in Romantic Writers.**
- 521-4 to 12 **Studies in Victorian Poetry.**
- 524-4 to 12 **Studies in the Metaphysical Poets.**
- 532-4 to 12 **Studies in American Transcendentalism.**
- 534-4 to 12 **Studies in Early Nineteenth Century American Writers.**
- 536-4 to 12 **Studies in Later Nineteenth Century American Writers.**
- 537-4 to 12 **Studies in Twentieth Century American Writers.**
- 538-4 to 12 **Problems in American Literature.**
- 540-2 to 8 **Studies in Linguistics.**
- 543-4 to 12 **Studies in Victorian Nonfiction Prose.**
- 555-4 to 12 **Studies in The Victorian Novel.**
- 560-4 to 12 **Studies in Renaissance Drama.**
- 566-4 to 12 **Studies in Shakespeare.**
- 569-4 **Seminar in Special Problems of English as a Foreign Language.**
- 579-16 (4,4,4,4) **Studies in Modern Literature.**
- 580-4 **Traditional Themes.**
- 581-12 (4,4,4) **Problems in High School English.**
- 585-2 **Teaching College Composition.**
- 588-9 (3,3,3) **Methods of Teaching English as a Foreign Language.**
- 594-4 or 8 **Studies in Literary Form and Symbolic Action.**
- 596-4 **Stylistics.**
- 597-2 to 6 **Readings in Linguistics.**
- 598-1 to 6 (1 to 3, 1 to 3) **Review of English and American Literature.**
- 600-1 to 48 **Dissertation.**

European and Russian Studies

Secondary Concentration

A secondary concentration in area studies with specialization in European studies or in Russian studies is offered especially for those students who also work for a concentration in foreign languages: Russian for Russian studies; German, Russian, or French for European studies.

For either specialization a minimum of 24 hours must be earned in the chosen field, at least 12 of them in principal courses, the rest by electives. Not more than three courses in any one subject area will be counted toward fulfillment of the requirements. In exceptional cases an elective

Principal courses for the European studies consist of GSB 380, 390, Economics 418, Geography 462, Government 455, History 333, 406, 434, 463, 464. The electives are GSB 312, Anthropology 306b, Economics 460, 481, Geography 464, Government 453, History 465. One reading course or one independent-studies course can be used in fulfillment of the requirements. Each student's list of courses, however, should be approved by the adviser.

Family Economics and Management

Course Descriptions

435-4 Work Simplification in Home Management. Basic scientific work simplification principles applied to work done in the home by full-time employed or physically handicapped homemakers.

471-2 to 6 Field Experience. Opportunity for supervised learning experiences in selected areas. Prerequisite: Consent of departmental chairman.
481-2 to 6 Readings. Supervised readings for qualified students. Prerequisite: consent of instructor and chairman.

Finance

<i>Associate Professors</i> J. Van Fenster- maker, Ph.D. (<i>Chairman</i>)	Peter W. Bacon, D.B.A.
Edward L. Winn, Jr., D.B.A.	Van A. Buboltz, M.A.
<i>Assistant Professors</i> Irving W. Adams, B.A.	Ahmad D. Issa, Ph.D.
	Jeffrey P. Laycock, Juris Dr.
	Gola Waters, M.S.

The financial implications of decisions in both business and government are daily becoming more complex. Within the firm, financial considerations permeate the central decisions of research, engineering, production and marketing. Within governmental activities, sophisticated financial techniques are becoming increasingly important. The financial executive thus takes a key role in the successful management of both business and governmental operations.

The finance curriculum offers two areas of specialization to meet the varied interests of students: (1) financial management and (2) financial institutions. The financial management program provides the background for a career in the financial operations of business firms and public institutions. The financial institutions specialization is designed for those interested in the operations of financial intermediaries and financial markets.

Bachelor of Science Degree, SCHOOL OF BUSINESS

<i>General Studies Requirements</i> (Waive GSB-3.)	84
<i>Professional Business Core</i>	52
GSB 201b, 201c, Mathematics 111-10.	(18)
Accounting 251a & b, 261	12
Economics 214, 215 and 308 or 408	12
Finance 320 and 371 or 473	8
GSD 110	3
Marketing 301	4
Management 340, 481	8
Mathematics 150a	5
<i>Requirements for Concentration in Finance</i>	40
Accounting 315 or Management 345	4
Economics 440 or Management 479	4
Management 361 or Marketing 390	4
Management 430	4
Finance 323, 325, 421	12
<i>One of the following specializations</i>	
Financial Management	
Accounting 341	4
Two of the following:	
Accounting 351a, 351b, 442, 475, Economics 315	8
Financial Institutions	
Finance 324	4
Finance 326	4
Economics 315	4
<i>Electives</i> —(300 or 400 level courses, unless lower level courses neces-	

sary to fulfill a departmental sequence	16
Total	192

Course Descriptions

301-1 to 6 Readings in Finance. Readings in classical and current writing on selected topics in various areas in the field of Finance.

305-4 Personal Finance. An introduction to the problems of personal financial asset management, including income and expense budgeting. Emphasis also placed on consumer credit, insurance, investments, home ownership and taxation. (Not open to students with concentrations in the School of Business.)

320-4 Introduction to Business Finance. Principal problems of managing the finance function of a business firm. Emphasis on asset acquisition and management, and financial structure planning and management. Prerequisite: Accounting 261, Economics 215.

323-4 Investments. Survey of the problems and procedures of investment management; types of investment risks; investment problems of the individual as well as the corporation. Prerequisite: 320 or consent of instructor.

324-4 Security Analysis. Application of investment principles to investment policy; analytical principles and techniques; analysis of fixed income corporate securities, of senior securities with speculative features, of common stocks, of government and municipal securities, and of investment company securities. Prerequisites: Finance 323.

325-4 Financial Markets. Operations of capital markets. Sources and uses of funds of financial institutions. Prerequisite: 320 or consent of instructor.

326-4 Management of Financial Institutions. Principal policies and problems which confront top management. Emphasis on liquidity loans, investments, deposits, capital funds, financial statements, organization structure, operations, personnel, cost analysis, and public relations. Prerequisite: 320-4.

327-4 Risk Management. Aggregate effort of a business or institution to conserve earning power and assets by controlling the risk of accidental loss. Includes the identification and evaluation of both risk exposures and means of dealing with these exposures. Prerequisite: junior standing.

371-4 Business Law I. Introduction to the history and philosophy of law, contract law, jurisdiction and court procedure, conflicts of law and tort law.

372-4 Business Law II. Real property law, personal property law, partnership law, agency and corporation law. Prerequisite: 371.

373-4 Business Law III. Negotiable instruments, sales, suretyship and uniform commercial code. Prerequisite: 371.

421-4 Management of Business Finance. The principal problems of managing the financial operations of an enterprise. Emphasis upon analysis and solutions of problems pertaining to policy decisions. Prerequisite: 320.

422-4 Advanced Financial Management. The development of ability to use sophisticated analytical tools by the discussion of case situations dealing primarily with capitalization, return on investment, and cost of capital. Prerequisite: 421.

430-4 Business Finance. An introductory course combining both a description of the structure of business financing and an analysis of functional finance from a managerial viewpoint. Restricted to MBA students.

473-4 Business in its Legal Environment. Social and economic assessment of environmental factors influencing business policies and strategies. Emphasis is placed on legislation affecting competition and allocation of the firm's products and resources. Prerequisite: senior standing.

475-4 Budgeting and Systems. Aids in coordinating and directing business operation.

Food and Nutrition

(See also Home Economics.)

Professors	Frank Konishi, Ph.D.	Irene R. Payne, Ph.D.
	(Chairman)	Assistant Professor Mary Louise Barnes, M.S. (Emerita)
Eileen E. Quigley, Ed.D.		
Associate Professors	Jennie Harper, Ph.D.	Lecturer Miss Henrietta Becker, M.S.

Course Descriptions

- 100-3 Fundamentals of Nutrition.** Emphasis on basic principles of food and nutrition in relation to personal health.
- 106-3 Fundamentals of Foods.** An introduction to the basic principles and techniques of food preparations. Not open to students specializing in Food and Nutrition or Home Economics Education.
- 247-6 (2,2,2) The School Lunch Program.** (a) Food purchasing; (b) quantity food production, and (c) nutrition practices in the school lunchroom.
- 256-5 Science of Food.** Application of scientific principles to food preparation. Prerequisites: 100, Chemistry 110 and 240 or equivalent.
- 320-3 Nutrition.** Principles of nutrition in relation to intermediary metabolism and the role of vitamins and minerals. Prerequisites: 100, Chemistry 110 and 240.
- 321-3 Food and Nutrition Demonstration.** Emphasis on principles of food and nutrition including food standards and demonstration techniques. Field trip. Prerequisite: 256.
- 335-4 Meal Management.** The selection, purchase, preparation and service of food with emphasis on time and money management. Prerequisite: 256.
- 356-4 Experimental Foods.** Experimental approach to the study of factors influencing the behavior of foods. Individual problems. Prerequisite: 256.
- 360-8 (4,4) Quantity Food Production.** (a) Use of power equipment, standardized formulas, and techniques of quantity preparation and service of food to large groups; (b) Practical experiences in area food service units. Prerequisite: 256.
- 361-3 Food Service Organization and Management.** Policies, budgets, supervision, and personnel in feeding large groups. Prerequisite: 256.
- 362-3 Institution Equipment and Layout.** Selection and arrangement of various types of institutional food service equipment, including materials, construction, operation, cost, use and care. Field trip. Prerequisite: 256.
- 363-3 Food Purchasing for Institutions.** Principles and methods of purchasing food in quantity. Field trip. Prerequisite: 256.
- 371-6 Field Experience.** Opportunity for supervised learning experiences in the student's area of concentration. Consent of instructor and chairman.
- 390-3 Diet Therapy.** Study of physiological and biochemical changes in certain diseases with emphasis on those involving nutritional therapy. Prerequisite: 320.
- 420-3 Recent Developments in Nutrition.** Critical study of current scientific literature in nutrition. Prerequisite: 320 or equivalent.
- 421-3 Recent Trends in Food.** Critical study of current scientific literature in food. Prerequisite: 320 or equivalent.
- 481-2 to 4 Readings.** Supervised readings for qualified students. Prerequisites: 320 or consent of chairman and instructor.
- 490-3 Nutrition and Growth.** Lectures, readings, and discussions on nutrition in relation to human growth. Prerequisites: 320 or equivalent.
- 500-4 Research Methods.**
- 515-1 to 6 Seminar.**
- 520-3 Advanced Nutrition.**
- 556-4 Advanced Experimental Foods.**
- 572-2 to 8 Special Problems.**
- 599-1 to 9 Thesis.**

Foreign Languages

Professors Albert W. Bork, Doctors en Letras
 D. Lincoln Canfield, Ph.D.
 J. Cary Davis, Ph.D.
 Hellmut A. Hartwig, Ph.D. (*Chairman*)
 Vera L. Peacock, Ph.D. (*Emeritus*)
Associate Professors Howard French, Ph.D.
 David L. Gobert, Ph.D.
 James A. Kilker, Ph.D.
 Joseph R. Kupcek, Ph.D.

Helmut Liedloff, Ph.D.
 Madeleine M. Smith, Ph.D.
 Hensley Woodbridge, Ph.D.
Assistant Professors Vernon Anderson, Ph.D.
 Vincent Cosentino, Ph.D.
 W. L. Meinhardt, Ph.D.
 Anna K. Neufeld, M.A.
 Joan O'Brien, Ph.D.
 Maurice O'Meara, Ph.D.
 Zivorad Rakic, Ph.D.
 Michael L. Rowland, Ph.D.

Igor Shankovsky, Ph.D.
Maxine Vogely, Ph.D.
Instructors Gwendolyn Brackett, M.A.
Keith Carlson, M.A.
Jerrilyn Emison, M.A.
John Gadway, B.A.
Frank Gunderson, M.A.
Anthony Integlia, M.A., M.S.

J. L. Martin, M.A.
Mildred Wilkinson, M.A.
Robert Wosylus, M.A.
Lecturer Arnold Ulner, M.A.

Visiting Professor Jenaro Artiles,
Ph.D.

Concentrations are offered in French, German, Latin, Russian, and Spanish.* Qualified students are encouraged to take proficiency examinations for FL 201–9. A student is not eligible to apply for proficiency in 220–6 unless he has passed the corresponding 201. If the student has had 4 years of one foreign language in high school, he is expected to begin with 300 level courses and take more upper level courses.

Bachelor of Arts, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (Waive GSC–3. Includes GSD 107–8)	83
<i>Supplementary Two-Year College Requirement in FL/Mathematics</i>	
Foreign Languages: GSD FL–9 and 9 hours included below ..	9
Foreign Language. Includes FL 201–9	52–56 ¹
Secondary Concentration	24 ²
<i>Electives</i>	20–24
<i>Total</i>	192

* Other languages offered are Chinese, Portuguese, Classical Greek, and Italian.

Bachelor of Arts, COLLEGE OF LIBERAL ARTS AND SCIENCES,
(secondary school certification)

<i>General Studies Requirements</i> (Waive GSC–3. Includes GSD 107–8)	83
<i>Supplementary Two-Year College Requirement in FL/Mathematics</i>	
Foreign Languages: GSD FL–9 and 9 hours included below ...	9
Foreign Language. Includes FL 201–9	52–56 ¹
Secondary Education	32 ⁴
<i>Electives</i>	12–16 ³
<i>Total</i>	192

Bachelor of Science, COLLEGE OF EDUCATION

<i>General Studies Requirements</i> (Waive GSC–3.)	83
Foreign Language	52–56 ¹
Secondary Education	32 ⁴
<i>Electives</i>	21–25
<i>Total</i>	192

¹ See individual language listings for requirements.
² The secondary concentration may be in any field which supports the student's projected career. Among recommended fields are another foreign language, English, linguistics, philosophy, European and Russian studies, history.
³ Electives may contribute to a teaching minor. If it is in a second foreign language, state certification requirements may be met by counting GSD–FL courses or by doing additional work.
⁴ FL 353–4 must be taken instead of Secondary Education 315.

The student who has completed only one year of foreign language in high

school will usually begin with the first quarter of the first-year course in General Studies. The student who has completed two or more years of high-school French, German, Russian, or Spanish is required to take a placement/proficiency examination administered by the Counseling and Testing Service. This will determine at which course level of the language the student will be placed. Students having completed two or more years of high-school foreign language other than French, German, Russian, or Spanish will usually begin with the second-year course.

Secondary Concentration

A secondary concentration in a foreign language is constituted by from 26–30 hours in courses 200 level and above. See individual languages for specific requirements. State certification requirements may be met by counting GSD–FL courses or by doing additional advanced work.

General Foreign Language Courses

Course Descriptions

453–4 Methods in Teaching Modern Foreign Languages. Survey of general principles of second-language teaching, based upon insights of modern linguistics and learning-psychology. Followed by intensive practical work in classroom and language laboratory with teachers experienced in the student's specific language field. Required of prospective teachers of modern foreign languages in secondary schools. Prerequisite: concurrent or prior enrollment in 300-level course in French, German, Russian, or Spanish.

Chinese

Course Descriptions

120–3 (1,1,1) Chinese Conversation. Conversation and oral drill taken with GSD 120 by students who wish additional oral training: elected only by students enrolled in GSD 120.

201–15 (5,5,5) Intermediate Chinese. Designed to give the students a review of the Chinese language and its expansion, a reading ability of modern prose, and practice in conversation and composition. Must be taken in a,b,c sequence. Prerequisite: one year of college Chinese (GSD 120c) or equivalent.

315–2 to 6 Readings in Chinese. Readings in the contemporary Chinese such as the adaptations of the writings of Tsau Yu, Lau she, Hu shih, and Lu Synn. Prerequisite: 201c.

French

At least one course in History of France is recommended for all students majoring in French.

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

French courses 200 level and above, including the following:	56
200 level: 201a,b,c–9; 220a,b,c–6 recommended	9–15
300 level: 350–4, 352–3, 354–4, 397a,b,c–9	20
400 level: 408–4, 461–4, and at least 3 literature courses	17
French electives: Romance Philology, 410–4, and FL 353–4, are recommended	4–10

BACHELOR OF SCIENCE OR BACHELOR OF ARTS DEGREE WITH TEACHING CERTIFICATE

(FL 353–4 is taken in lieu of Sec Ed 315)

French courses 200 level and above, including the following:	56
200 level: 201a,b,c–9; 220a,b,c–6 recommended	9–15
300 level: 350–4, 352–3, 354–4, 397a,b,c–9	20
400 level: 408–4, 461–4, and at least 3 literature courses	17
French electives: Romance Philology, 410 is recommended ...	4–10

SECONDARY CONCENTRATION

French courses 200 level and above, including the following:	26
200 level: 201a,b,c-9; 220a,b,c-6 recommended	9-15
300 level: 350-4 plus 352-3 and FL 353-4, or 350-4 plus 354-4 and any one quarter of 397 a, or b, or c (3)	11
French electives:	0-6

Course Descriptions

- 123-3 (1,1,1) French Conversation.** Conversation and oral drill taken with GSD 123 by students who wish additional oral training: elected only by students enrolled in GSD 123. Parts may be taken singly.
- 161-0 (0,0) French for Graduate Students.** Designed for graduate students desiring a reading-knowledge of French. (a) Intensive study of grammar. (b) Extensive reading and vocabulary study. Prerequisite: consent of instructor.
- 201-9 (3,3,3) Intermediate French.** Composition, oral practice, rapid reading of modern authors with special attention to the role of French culture in world civilization. Must be taken in a,b,c sequence. Prerequisite: GSD 123 or two years of high school French, or equivalent.
- 220-6 (2,2,2) Intermediate French Conversation.** Development of oral skill on the intermediate level. Offered for 3 quarters at 2 hours per quarter; may be taken for credit each time. Prerequisite: 201c or concurrent registration in any quarter of 201.
- GSC 305-3 Contemporary French Drama.**
- 350-8 (4,4) Advanced Composition and Conversation.** Translation and composition. Taken in a,b sequence. Prerequisite: 201c.
- 352-3 French Phonetics.** French phonemics and phonetics, involving production of French sounds and English interference, the written representation of French sounds and the teaching thereof. Laboratory and dictation practice. Prerequisite: 201c.
- 379-9 (3,3,3) Survey of French Literature.** Reading and analysis of selected works of French literature from the beginning to the present time. Presented in French. Should be taken in a,b,c sequence, although not obligatory. Prerequisite: 350 or consent of instructor.
- 397-9 (3,3,3) Survey of French Literature.** Reading and analysis of selected works of French literature from the beginning to the present time. Presented in French. Should be taken in a,b,c sequence, although not obligatory. Prerequisite: 350 or consent of instructor.
- 401-9 (3,3,3) French Literature of the 17th Century.** (a) Tragedy; (b) Comedy; (c) Nondramatic literature.
- 402-6 (3,3) Contemporary French Novel.** (a) Major themes, forms, and techniques in the novel with particular emphasis on Cide, Proust, Malraux, Sartre, Camus, and Robbe-Grillet. (b) A study of the dramatic masterpieces of Guandoux, Claudel, Anouilb, Sartre, Camus, Ionesco, and Beckett with respect to structure, technique, themes, and language. May be taken out of sequence. Prerequisite: 354, 397.
- 403-9 (3,3,3) French Literature of the 18th Century.** (a) Theater; (b) Novel; (c) Philosophic and Didactic Literature.
- 408-4 French Civilization.** Society, culture, social institutions, and the arts of contemporary France. Lectures, slides, discussion. Prerequisite: 350 or consent of instructor.
- 409-3 French Romanticism in the Drama, Novel and Poetry.** Prerequisite: 354, 397.
- 419-3 French Poetry from Nerval through Symbolism.** Prerequisite: 354, 397.
- 429-6 (3,3) French Novel and Theatre, 1850-1930.** (a) Realism, naturalism, and the reaction to these in the novel, from Flaubert through Barres. (b) Realism, naturalism, and symbolism in the theatre from mid 19th century to 1930. Prerequisite: 354, 397.
- 461-4 French Stylistics.** Writing style in French and its application to the development of skill in written expression. Advanced work in the principles of French grammar and composition. Prerequisite: 350 or consent of instructor.
- 498-3 Honors Seminar.** Study of an author or a special topic. Restricted to undergraduates. Prerequisite: consent of department.
- 499-4 Honors Essay.** Individual exploration of some question, author, or

theme of significance within the field of French literature or language. Restricted to undergraduates. Prerequisite: 498 and consent of department.
501-2 to 6 **Seminar on a Selected French Author.**
502-3 **French Literature from La Chanson de Roland to Rabelais.**
509-2 to 6 **Studies in 19th Century French Literature.**
515-6 (3,3) **Old French.**
516-6 (3,3) **French Literature of the Renaissance.**
520-4 **Graduate Composition and Diction.**
522-2 to 6 **Studies in 20th Century French Literature.**
536-2 **Teaching French at the College Level.** Prepares graduate students in French for teaching at the university level. Required of all teaching assistants in French. May not be counted to satisfy secondary certification requirements.
543-2 to 6 **Research Problems.**
599-2 to 9 **Thesis.**

German

At least one course in History of Germany or Central Europe is recommended for all students majoring in German.

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

German courses 200 level and above, including the following:	55
200 level: 201a,b,c-9; 220a,b,c-6 recommended	9-15
300 level: 301a,b-8 (normally taken in senior year), 304a,b-8, 310a,b-8; 304c-4 is recommended	24-28
400 level: At least three literature courses (6-12); 408-4 is recommended	6-16
German electives: FL 353-4 is recommended	0-16

BACHELOR OF SCIENCE OR BACHELOR OF ARTS DEGREE WITH TEACHING CERTIFICATE

(FL 353 is taken in lieu of Sec Ed 315)	
German courses 200 level and above, including the following:	55
200 level: 201a,b,c-9; 220a,b,c-6 recommended	9-15
300 level: 301a,b-8 (normally taken in senior year), 304a,b-8, 310a,b-8; 304c-4 is recommended	24-28
400 level: 401a,b-4, plus at least two literature courses (4-8); 408-4 is recommended	8-16
German electives	0-14

SECONDARY CONCENTRATION

German courses 200 level and above, including the following:	27
200 level: 201a,b,c-9; 220a,b,c-6 recommended	9-15
300 level: 304a-4, 310a,b-8; 304b-4 or FL 353-4 are recommended	12-16
German electives	0-6

Course Descriptions

126-3 (1,1,1) **German Conversation.** Conversation and oral drill taken with GSD 126 by students who wish additional oral training: elected only by students enrolled in GSD 126. Parts may be taken singly. Prerequisite: concurrent enrollment in GSD 126.
161-0 (0,0) **German for Graduate Students.** Designed for graduate students desiring a reading-knowledge of German. (a) Intensive study of grammar. (b) Extensive reading and vocabulary study. Prerequisite: consent of instructor.
201-9 (3,3,3) **Intermediate German.** Composition, oral practice, rapid reading of modern authors with special attention to the role of German culture in world civilization. Must be taken in a,b,c sequence. Prerequisite: GSD 126 or two years of high school German, or equivalent.
220-6 (2,2,2) **Intermediate German Conversation.** Development of oral skill

on the intermediate level. Offered for 3 quarters at 2 hours per quarter; may be taken for credit each time. Prerequisite: 201c or concurrent registration in any quarter of 201.

251-4 Scientific German. Study of vocabulary and sentence construction as commonly found in Germanic scientific writings. May be counted as the equivalent of German 201c. Prerequisite: one year college German or its equivalent.

301-8 (4,4) Survey of German Literature to 1800. Historical development of German literature. Should be taken in a,b sequence.

303-4 German "Novelle" in the Nineteenth Century. A study of representative works from 1800 to 1900, with emphasis on the literary movements of that time.

304-12 (4,4,4) Advanced Composition and Conversation. Two quarters in sequence (a,b; b,c; a,c) are required for prospective teachers of German. Prerequisite: 201c.

310-8 (4,4) Introduction to German Literature. Reading, analysis, and discussion of representative works from various periods of German literature. Prerequisite: 201c.

312-4 German Drama in the Nineteenth Century. Kleist, Grillparzer, Hebbel. Reading and discussion of representative works.

315-4 From Rationalism to Realism. Study of German literary works representing 18th Century Rationalism, "Sturm und Drang" and Romanticism leading to the literature of Realism; lectures and reports.

401-4 (2,2) Goethe's Faust. (a) The Faust legend and early Faust books and plays; the genesis of Goethe's *Faust*: reading of Part I. (b) reading of Part II; study of symbolism such as blending of paganism with Christianity, of ancient Greek culture with Germanic culture. Must be taken in a,b sequence.

402-3 Advanced German Syntax. Descriptive and contrastive study of German syntax, with particular attention to the needs of prospective teachers.

403-3 German Ballads and Lyrics. A selective study of the foremost examples of German balladry and lyric poetry, ranging from the poetry of Klopstock and Buerger to that of Hesse, Benn, etc. Lectures, recitations.

404-4 Weimar and Its Aftermath. German writings from the inception of the Weimar Republic to the end of World War II, with special reference to the correlation existing between literary expression and social, economic and political conditions.

406-3 The German Comedy. Comic and satirical works in German Literature, with special emphasis on the "Lustspiel" since 1800; lectures, reports.

407-2 Great German Plays of the 20th Century. Study and selective readings of outstanding stage successes; lectures, reports.

408-4 German Civilization. Intensive study of the German speaking areas of the world, with emphasis on the anthropological and sociological aspects of their respective cultures (Austrian, German, Swiss, "Reichs-deutsch," etc.); lectures, reports.

411-6 (3,3) Middle High German. (a) Grammar, and selective readings in both MHG originals and NHG translations of such epics as the *Nibelungenlied* and *Gudrun*. (b) The Courtly epic poetry of such authors as Wolfram von Eschenbach, Gottfried von Strassburg, Hartmann von Aue, the lyric poetry of Walther von der Vogelweide, and didactic prose.

413-6 (3,3) German Linguistics. (a) Introduction to Comparative Germanic Linguistics tracing relationships among Germanic languages on the basis of phonology, morphology, and syntax; (b) History of the German language; a survey of the development of German through the Old-, Middle-, and New-High-Germanic periods; lectures, readings, reports.

497-1 to 2 Readings in 18th Century German Literature. Departmental approval required.

498-1 to 2 Readings in 19th Century German Literature. Departmental approval required.

499-1 to 2 Readings in 20th Century German Literature. Departmental approval required.

500-2 Seminar in Contemporary Literature.

501-2 to 6 Seminar on a Selected German Author.

506-2 Romanticism I.

507-2 Romanticism II.

509-4 (2,2) Old High German.

512-3 19th Century German Novel.

513-3 20th Century German Novel.

514-3 Seminar in Folklore.

533-3 Gothic.
543-2 to 6 Research Problems.
544-12 NDEA Summer Institute for Teachers.
599-2 to 9 Thesis.

Greek

Course Descriptions

201-12 (4,4,4) **Intermediate Greek.** Grammar review and composition. Selected readings. Taken in a,b,c sequence. Prerequisite: GSD 130c.
301-4 **Greek Historians.** Reading and discussion of selections from the histories of Herodotus, Thucydides, and Xenophon.
302-4 **Plato.** Reading and discussion of the **Republic.**
303-4 **Aristotle.** Reading and discussion of the **Ethics.**
311-8 (4,4) **Homer.** Reading and interpretation of selections from the **Iliad** and the **Odyssey.** Should be taken in a,b sequence.
313-4 **Greek Tragedy.** Reading of at least two plays from the works of Aeschylus, Sophocles, and Euripides.
315-2 to 8 **Readings from Greek Authors.** Flexible reading program of works not included in other courses. By special permission only. Prerequisite: 201c.
GSC 320-3 **Greek Literature in Translation.**
GSC 330-3 **Classical Mythology.**
GSC 332-3 **Classical Drama.**

Italian

Course Descriptions

144-3 (1,1,1) **Italian Conversation.** Taken with GSD 144 by students who wish additional oral training; elected only by students enrolled in the corresponding beginning sections. Each quarter may be taken separately.
201-9 (3,3,3) **Intermediate Italian.** Development of listening, speaking, reading, and writing skills on the intermediate level, with special attention to the role of Italian culture in world civilization. Prerequisite: GSD 144 or 2 years of high school Italian or equivalent.

Latin

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

Latin courses 200 level and above, including the following: 53
200 level: 201a,b,c 12 hours
300 level courses including Latin 315-8, and electives totaling 24 hrs., with FL 353-4 recommended 32 hours
Three of the following: GSC 330, 331, 332, 320 9 hours

Latin 315 listed above is a supplementary reading course from authors not listed in the undergraduate catalog. This course is offered every quarter. It is to be taken for a minimum of two hours or a maximum of four hours per quarter, with total credit not to exceed eight hours.

BACHELOR OF SCIENCE OR BACHELOR OF ARTS DEGREE WITH TEACHING CERTIFICATE

(FL 353 is taken in lieu of Sec Ed 315)
Latin courses 200 level and above: 53
Same program as immediately above for Bachelor of Arts in Latin
SECONDARY CONCENTRATION
Latin courses 200 level and above: 27
201a,b,c 12 hours
300 level: FL 353-4 is recommended 15 hours

Course Descriptions

201-12 (4,4,4) **Intermediate Latin.** Composition and reading from various

authors. Should be taken in a,b,c sequence. Prerequisite: GSD 133 or two years of high-school Latin.
301-4 Cicero's Essays and Letters. Prerequisite: 201c or equivalent.
302-4 Vergil's Eclogues and Georgics. Prerequisite: 201c or equivalent.
303-4 Tacitus. Prerequisite: 201c or equivalent.
304-2 Private Life of the Romans.
311-4 Roman Comedy. Prerequisite: 201c or equivalent.
312-4 Horace's Odes and Epodes. Prerequisite: 201c or equivalent.
313-4 Letters in Pliny. Prerequisite: 201c or equivalent.
315-2 to 8 Readings from Latin Authors. Flexible reading program in works not included in other courses. By special permission only.
326-4 Ovid's Metamorphoses.
GSC 331-3 Latin Literature in Translation.
GSC 332-3 Classical Drama.
335-4 Vergil's Aeneid.
342-4 Advanced Composition. A careful study based on classic prose-writers.

Portuguese

Course Descriptions

135-3 (1,1,1) Elementary Portuguese Conversation. Conversation and oral drill taken with GSD 135 by students who wish additional oral training. Elected only by students enrolled in GSD 135. Parts may be taken singly.
201-9 (3,3,3) Intermediate Portuguese. Composition, oral practice, rapid reading of modern authors. Must be taken in a,b,c sequences. Prerequisite: GSD 135c or two years of high school Portuguese, or equivalent.

Russian

At least one course in Russian History is recommended for all students majoring in Russian.

BACHEOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

Russian courses 200 level and above, including the following:	52
200 level: 201a,b,c-9; 220a,b,c-6 recommended	9-15
300 level: 308a,b,c-9; 330a,b,c-6 (should be taken in a,b,c sequence concurrently with 308-9)	15
400 level: at least three literature courses	12-16
Russian electives: FL 353 is recommended	6-16

BACHELOR OF SCIENCE OR BACHELOR OF ARTS DEGREE WITH TEACHING CERTIFICATE

(FL 353 is taken in lieu of Sec Ed 315)	
Russian courses 200 level and above, including the following:	52
200 level: 201a,b,c-9; 220a,b,c-6 recommended	9-15
300 level: 308a,b,c-9; 330a,b,c-6 (should be taken in a,b,c sequence concurrently with 308-9)	15
400 level: At least two literature courses	8-12
Russian electives	10-20

SECONDARY CONCENTRATION

Russian courses 200 level and above, including the following:	26
200 level: 201a,b,c-9; 220a,b,c-6 recommended	9-15
300 level: 308a,b,c-9 are required; 330a,b,c-6 are recommended	9-15
Russian electives: FL 353 is recommended	0-8

Course Descriptions

136-3 (1,1,1) Russian Conversation. Conversation and oral drill taken with GSD 136 by students who wish additional oral training; elected only by students enrolled in GSD 136. Parts may be taken singly.
161-0 Russian for Graduate Students.

201-9 (3,3,3) Intermediate Russian. Composition, oral practice, rapid reading of modern authors with special attention to the role of Russian culture in world civilization. Must be taken in a,b,c sequence. Prerequisite: GSD 136 or two years of high school Russian, or equivalent.

220-6 (2,2,2) Intermediate Russian Conversation. Development of oral skill on the intermediate level. Offered for three quarters at 2 hours per quarter; may be taken for credit each time. Prerequisite: 201c or concurrent registration in any quarter of 201.

308-9 (3,3,3) Survey of Russian Literature. Historical survey of major movements, authors, and works in Russian to the present time. Should be taken in a,b,c sequence. Prerequisite: 201c.

320-2 Readings in Russian Literature. Selected readings in areas not covered in regular course work.

330-6 (2,2,2) Advanced Composition and Conversation. Based on the history of Russia and the cultural heritage of the Russian people. Should be taken in a,b,c sequence concurrently with 308-9.

401-8 (4,4) The Russian Novel in the Nineteenth Century. Should be taken in a,b sequence.

412-4 Russian Realism. Authors in the 19th century Russian literature. Special attention to stylistic devices. Lectures, readings, and individual class reports. Prerequisite: 308c or approval of department.

413-4 Russian Drama in the Nineteenth Century. Griboyedov, Gogol, Pushkin, and minor dramatists. Prerequisite: 308c or approval of department.

414-3 Russian Poetry from Zhukovsky to 1920. A study of Russian Poetry from Sentimentalism through Symbolism. Prerequisite: 308c or approval of department.

415-3 Russian Phonetics. Analysis of the sounds of Russian and their manner of production; intonation and stress; levels of speech, oral practice. Prerequisite: 308c or approval of department.

416-4 Russian Poetry Since 1920. Literary trends and representative works of Russian poets such as Mayakovsky, Yevtushenko, Voznesensky, and others. Prerequisite: 308c or approval of department.

425-3 Soviet Russian Literature. Major fiction writers and literary trends since 1917. Lectures, readings and reports. Prerequisite: 308c or approval of department.

462-4 Russian Stylistics. Writing style in Russian and its application to the development of skill in written expression. Advanced work in the principles of Russian grammar and composition. Prerequisite: 308c or approval of department.

500-2 Seminar in Contemporary Russian Literature.

501-2 Seminar on a Selected Russian Author.

503-2 Seminar on 19th Century Russian Literature.

509-3 Russian Literature through the 17th Century.

510-3 Russian Literature of the 18th Century.

514-6 (2,2,2) History of the Russian Language.

520-4 Russian Linguistic Structure.

543-2 to 6 Research Problems.

599-2 to 9 Thesis.

Spanish

At least one course in History of Spain or Latin America is recommended for all students majoring in Spanish. One year of Portuguese is also recommended.

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES . . . 52

Spanish courses 200 level and above, including the following:

200 level: 201a,b,c-9; 220a,b,c-6 15

300 level: 310a,b,c-9; and 333a,b,c-9 (at least 4 of the 6 courses required) 320a,b,c-6 18-24

400 level: At least three literature or linguistic courses; Romance Philology 410 is recommended 9

Spanish electives: FL 353-4 is recommended 4-10

BACHELOR OF SCIENCE OR BACHELOR OF ARTS DEGREE WITH TEACHING CERTIFICATE 52

(FL 353 is taken in lieu of Sec Ed 315)

Spanish courses 200 level and above, including the following:	
200 level: 201a,b,c-9; 220a,b,c-6	15
300 level: 310a,b,c-9; and 333a,b,c-9 (at least 4 of the 6 courses required) 320a,b,c-6	18-24
400 level: At least three literature or linguistic courses; Ro- mance Philology 410 is recommended	9
Spanish electives	4-10
SECONDARY CONCENTRATION	
30	
Spanish courses 200 level and above, including the following:	
200 level: 201a,b,c-9; 220a,b,c-6	15
300 level: 310a,b,c (or 333a,b,c)-9, (a 400 level course or FL 353-4 may be substituted for one quarter of the 310 or 333 sequence courses.) 320a,b-6	15

Course Descriptions

- 140-3 (1,1,1) Spanish Conversation.** Integrated with GSD 140. Complete sequence not required. Conversation and oral drill for students who wish additional audio-lingual training in small groups. Prerequisite: concurrent enrollment in GSD 140.
- 161-0 (0,0) Spanish for Graduate Students.** Intensive study of grammar essential to a reading knowledge of the language. Adapted to the Graduate School foreign language testing program.
- 201-9 (3,3,3) Intermediate Spanish.** Continuation of grammar. Exercises in language laboratory required. Introduction to cultural reading, plays, and short stories. Prerequisite: GSD 140 or 2 years of high school Spanish, or equivalent.
- 220-6 (2,2,2) Intermediate Spanish Conversation.** Practice in spoken Spanish. Prepared and impromptu group discussions on general topics and everyday situations. Frequent short talks by students. Prerequisite: GSD 140 or 2 years of high school Spanish, or equivalent.
- 310-9 (3,3,3) Survey of Spanish Literature.** The literature of Spain to the present. Should be taken in a,b,c sequence. Offered alternately with 333. Prerequisite: 201c.
- 316-3 Civilization Espanola.** A study of the cultural patterns and heritage of the Spanish people from earliest times to the present. Prerequisite: 315 or consent of instructor.
- 320-6 (2,2,2) Advanced Composition and Conversation.** Required of students with a concentration in Spanish and students preparing to teach. May be taken concurrently with 310 or 333.
- 333-9 (3,3,3) Survey of Spanish American Literature.** Spanish literature in America from the conquest to modern times. Offered alternately with 310. Prerequisite: 201c.
- 350-3 Advanced Composition.** Daily themes based on Spanish models, with free composition once a week. Class discussions.
- 360-2 to 8 Travel-Study Course in Mexico.** Lectures and course work at Mexican universities, in conjunction with the Latin American Institute's Study Abroad Program. Native professors and lecturers in Mexico City and other points visited. Individual projects and reports. Prerequisite: advanced standing in Spanish.
- 425-4 History of the Spanish Language.** Survey of development from the Middle Ages to the present day.

IBERIAN

- 401-3 Spanish Novel of the 19th Century.** Study of representative novels of Fernan Caballero, Valera, Pereda, Galdos, etc.
- 402-3 Spanish Drama of the 18th and 19th Centuries.** Reading of representative plays of the chief dramatists from Moratin to the Generation of 1898.
- 403-3 Spanish Poetry.** General survey of Spanish poetry from its beginnings to 1900.
- 404-6 (3,3) Spanish Literature of the 20th Century.** (a) The Generation of

1898. (b) Contemporary Novel and Essay. Main trends of the Spanish novel and essay since 1900.
- 415-3 Spanish Phonetics. Analysis of the sounds of Spanish and their manner of production; intonation; levels of speech; oral practice.
- 440-6 (3,3) The Golden Age: Drama. Plays of Lope de Vega, Calderon, Tirso de Molina, Ruiz de Alarcon, and others.
- 445-4 Cervantes. *Don Quijote*; other works assigned as collateral readings.
- 475-3 to 12 General Topics in Spanish. Selected topics in literature or linguistics of special interest for major concentrations in Spanish.
- 501-2 to 6 (2 per quarter) Seminar on a Selected Spanish Author.
- 505-3 The Picaresque Novel.
- 506-3 The Renaissance.
- 515-6 (3,3) Old Spanish.
- 520-3 Seminar in Syntax.
- 525-3 The Spanish Ballads.
- 543-2 to 6 Research Problems.
- 560-2 to 4 Spanish and Latin American Bibliography.
- 575-3 to 12 Advanced Topics in Spanish.
- 599-2 to 9 Thesis.

AMERICAN

- 421-3 Survey of Modernism in Spanish American Poetry. Study of its origins, characteristics and achievements.
- 422-3 Contemporary Spanish American Poetry. Spanish American poetry since modernism.
- 423-4 The Mexican Novel of the 20th Century. Emphasis on fiction dealing with the Revolution and related social problems.
- 424-4 Gaucho Literature. Study of the Gaucho as a social class and of the types of literature developed to portray and symbolize his way of life, attitudes and values.
- 426-3 The Mexican Short Story. Survey of the Mexican short story from pre-Conquest to the present.
- 427-3 Spanish American Drama. Works of Florencio Sanchez, Rodolfo Usigli, Armando Mooock, Samuel Eichelbaum, Xavier Villarrutia, and others.
- 478-4 Seminar in Latin American Thought. (See Philosophy 478.)
- 500-2 to 6 (2 per quarter) Seminar in Latin American Literature.
- 535-3 Mexican Essayists of the 19th Century.
- 538-3 Seminar on Spanish American Poetry.
- 541-3 Seminar on Spanish American Literary Criticism.
- 543-2 to 6 Research Problems.
- 560-4 Spanish and Latin American Bibliography.
- 599-2 to 9 Thesis.

Romance Philology

Course Descriptions

- 410-4 Romance Philology I. Survey of phonology, morphology, and syntax changes in Romance languages in general; special attention to the developments in French and Spanish for students with concentration in these fields.

Forestry

- | | |
|---|--|
| <i>Professors</i> John W. Andresen, Ph.D.
(Chairman) | <i>Instructor</i> Raymond M. Mischon, M.A. |
| Paul A. Yambert, Ph.D. | |
| <i>Associate Professors</i> Margaret Kaeiser,
Ph.D. | <i>Adjunct Professors</i> A. G. Chapman,
Ph.D. |
| Dwight R. McCurdy, Ph.D. | Eugene F. Landt, Ph.D. |
| Ali A. Moslemi, Ph.D. | <i>Adjunct Associate Professor</i> Robert
Phares, Ph.D. |
| <i>Assistant Professors</i> Carl A. Budelsky,
Ph.D. | <i>Adjunct Assistant Professors</i> John K.
Brownell, Ph.D. |
| Kung H. Fan, Ph.D. | Ronald D. Lindmark, Ph.D. |
| Raymond S. Ferrell, Ph.D. | Craig Kendall Losche, Ph.D. |
| James S. Fralish, Ph.D. | Peter Yuen San Chen, Ph.D. |
| Paul L. Roth, Ph.D. | <i>Adjunct Instructor</i> David Funk, M.A. |

There are three specializations offered by the Forestry Department. Forest Resource Management includes instruction in forest production, multiple-use resource management, and wood utilization science. Wild Land and Park Management includes similar course work plus specialized courses in forest recreation planning and development. Both specializations include the ten areas of study in the Forestry curriculum recommendations of the Society of American Foresters. Outdoor Recreation Resource Management is to train for management of the nation's outdoor recreation heritage. The courses offered are among those recommended by the National Parks and Recreation Association. One spring quarter of practical field courses is required. During this period, students live in the field and pay living expenses involved. The recreation management student does not attend field camp, but instead travels through selected sections of the United States on a three week field tour of outdoor recreation and park facilities in late August and early September.

Available to the Department of Forestry for teaching and research are the following: the Crab-Orchard National Wildlife Refuge; the Shawnee National Forest; the Union State Tree Nursery and Forest; many state parks and conservation areas; and the Kaskaskia Experimental Forest, together comprising several hundred thousand acres of forest land, all in the vicinity of the University. Also accessible for wood utilization teaching and research is a modern wood products plant located at the Vocational-Technical Institute east of Carbondale. The Southern Illinois University Experimental Forest and Giant City State Park provide additional facilities for teaching and research, especially during the spring camp. In addition, 30 staff members of the U. S. Forest Service Carbondale Research Center are affiliated with the Department of Forestry and help to enrich the University's forestry program.

Bachelor of Science Degree, SCHOOL OF AGRICULTURE

<i>General Studies Requirements</i> (Waive GSA-3.)	84
<i>Requirements for Concentration in Forestry</i> (For Forest Resource Management Option see A; for Park and Wildlife Management Option see B)	98-100
	A B
GSA 101-8 or Chemistry 111a or b	(8) (8)
GSA 201, 330	(11) (11)
GSB 102, 211	(16) (16)
GSD 103, 110	(3) + 3 (3) + 3
Botany 320	5 0
Botany 445, 457	9 9
Forestry 104, 221, 306, 320, 333, 340, 350b, 363-9, 365-7, 369, 433, 465, 466, 470, 475	61 0
Forestry 104, 221, 306, 340, 350, 363-9, 365a,b, 369, 410, 450, 451, 465, 470, 475	0 68
Geology 220	3 3
Mathematics 111-10, 150-5	(9) + 1 (9) + 1
Plant Industries 301	5 5
Technology 101a, Technology 363a	7 7
Zoology 463	4 4
<i>Electives</i>	12-14
<i>Total</i>	192

OUTDOOR RECREATION RESOURCE MANAGEMENT

<i>General Studies Requirements</i>	84
<i>Requirements for a Concentration in Forestry</i>	98
GSA 101-8 or Chemistry 121a or b	(8)
GSA 201, 303, 340	(14)
GSB 102, 201b, 211b	(16)
GSC 101	(3)
GSD 103, 110	(3) + 3
Accounting 250	4
Economics 214, 215	8
Finance 371	4
Forestry 350a, 365a, 410, 450, 451	21
Geography 310a	4
Government 360, 440	9
Mathematics 111	(9) + 1
Management 340, 461	8
Plant Industries 301, 304, 306a, 404	15
Recreation 201, 320	6
Technology 101a	3
Zoology 316, 463, 466	12
<i>Electives</i>	14
<i>Total</i>	196

Course Descriptions

104-3 Introduction to Forestry. Acquaints students with the broad field of multiple-use forestry. Special emphasis is given to forestry as a profession. Field trips. For students with a concentration in forestry or with instructor's consent. Only offered to freshmen or sophomore students.

221-2 to 4 Dendrology. Taxonomy and silvics of angiospermous and gymnospermous trees and shrubs. Field trips.

230-2 Lumber Grading. The study and practice of applying National Hardwood, Southern Pine, and West Coast Rules in grading lumber. Tally methods and grading for special products are also covered.

259-3 to 60 Technology in Agriculture. This is a designation for credit earned in technical or occupational proficiency when credit is to be established (by departmental evaluation) for work above the high school level. Prerequisite: transfer from two-year program.

301-5 Soil Science. (Same as Plant Industries 301.) Basic concepts of soil formation, classification, characteristics, chemistry, physics, and microbiology, and their relation to plant growth. Familiarizes the student with the practical applications of theories. Prerequisite: GSA 101b.

306-3 Silvical Field Studies. The forest as a result of site and biotic factors. Influences of the forest on the site: Prerequisite: GSA 340.

320-4 Wood Technology. Structure, identification, and physical properties of wood. Prerequisite: GSA 201c.

330-2 Harvesting Forest Products. Principles of harvesting and transporting forest products. Field trips.

340-4 Forest Protection. The prevention, suppression, and effects of forest fires. The recognition and importance of insect pests, disease organisms, and other destructive agents in the forest.

350-6 (3,3) Forest and Outdoor Recreation. Recreational use of forest and adjacent lands with emphasis on parks and national forests. Administration; interpretation; trends in use and developments. Field trips.

360-4 Farm Forestry. The management of farm woodlands, measurement of logs, trees, and stands; planting and harvesting methods; improvement cuttings; uses and marketing of woodland products. Field trips. Forestry students not admitted. 104 and 360 mutually exclusive.

363-7 (4,3) Forest Mensuration. (a) Principles and methods of measuring volume of trees, stands of timber, and rough wood products. Preparation of

yield tables and growth studies. Field trips. Prerequisite: GSD 109 or 115. (b) Timber cruising, log scaling, and growth studies on Southern Illinois University. Experimental Forest and cooperating forest ownerships. Spring field trips. Prerequisite: 363a.

365-10 (4,3,3) Silviculture. (a) The theory and practice of applying ecological knowledge to economic management of establishment, composition, and growth of forest stands. Field trips. Prerequisites: Botany 320, Plant Industries 301 (concurrent), GSA 340. (b) Student participation in planting, weeding, thinning, pruning and improvement cuttings. Prerequisite: 365a. (c) Applied systems of silviculture to commercially important timber species and types in the U.S. Prerequisite: 365a.

369-3 Forest Photogrammetry. Use of stereoptic plotting instruments and aerial photos to map and type forest stands.

375-4 Forest Management. Economic and technical principles involved in managing forests. Prerequisite for 365a,b.

381-1 to 2 Agricultural Seminar. (Same as Animal Industries 381, Agricultural Industries 381, and Plant Industries 381.) Discussion of problems in agriculture and forestry. Limited to senior students.

390-1 to 6 Special Problems in Forestry. Assignments involving research and individual problems in forestry. Prerequisite: advanced standing, written consent of instructor, and consent of chairman.

391-1 to 6 Honors in Forestry. Independent research sufficiently important to require 3 hrs. per week of productive effort for each hour of credit. Prerequisite: junior standing, GPA of 4.0 with a 4.25 in the major and consent of the department chairman.

401-3 Advanced Forest Mensuration. Theory and practical problems in biometrics to obtain estimates of forest populations. Use of computers and other advanced techniques. Prerequisites: 363-9 or equivalent.

410-3 Forest Management for Wildlife. Interrelations between forest practices and game. Forest protection from mammals and birds. Emphasis is on the treatment of the forest. Prerequisite: Zoology 463 and concentration in forestry or consent of instructor.

420-4 Advanced Wood Technology. The study of wood as an industrial and structural material; the botanical, physical, chemical, and mechanical properties are discussed. The advantages and disadvantages of wood as a raw material are analyzed. Prerequisite: 320, Mathematics 111a,b or equivalent.

433-4 Forest Products Industries. Raw material requirements, the processes and the products of forest industries. The past, present, and the future economic status of each industry is briefly examined. Prerequisite: 320 or consent of instructor.

440-4 Ecology of Grasses and Grasslands. (Same as Botany 440.) Structure, analysis, and dynamics and grassland communities; structure and growth of individual species. Field and laboratory work. Prerequisite: GSA 340 or consent of instructor.

450-4 Forest and Park Management. Fundamentals of management and administration of recreation forests. Development of forests and suburban parks under a forest environment. Review of current local, state, and Federal legislation applicable to forest recreation.

451a-3 Forest Park Plans. Fundamental and applied principles and elements involved in site, master, and comprehensive planning for outdoor recreation at the state, metropolitan, and federal level. Prerequisites: 350-6 or consent of instructor.

451b-4 Park Design and Development. Basic planning and design principles of space, scale, and circulation applied to park and recreation areas at the state, metropolitan, and federal levels. Basic elements in park and recreation area site planning, selection and development. Prerequisites: 350-6 or consent of instructor.

460-3 Forest, Park, Field Studies. Park conditions, visitors, and management practices in different county, state, and federal park systems in the United States. Extended field trip. Cost shared by students. Prerequisite: 350a.

465-2 Forest Field Studies. An extended trip to study forest conditions and management practices in different forest regions of the United States. Cost shared by students. Prerequisites: 330, 363a, 365a.

466-3 Forest Watershed Management. Effects of treatment of forested watersheds on quality and quantity of water yield. Consideration of alternatives in water use and flood control. Prerequisites: Plant Industries 301, GSA 330, or consent of instructor.

470-8 (4,4) Economics of Forestry. (a) Production. Introduction to forestry

economics; micro-economics of forestry production and conservation. Prerequisite: GSB 211a. (b) Marketing. Marketing in the forestry economy; introduction to aggregate planning in forestry including consumption and production goals. Prerequisite: 470a or consent of instructor.

471-4 Land Resources Economics. (Same as Agricultural Industries 471 and Economics 471.) The use of land as an economic variable in production of goods and services; land markets; group versus individual conflicts; elementary land resources planning techniques. Prerequisites: 470a or Agricultural Industries 350 or Economics 440.

475-4 Forest Management. The application of business procedures and technical forestry principles to manage properties for their resources and benefits. Prerequisite: 363, 365.

490-4 to 16 Practicum. Supervised practicum experience in a professional setting. Emphasis on administration, supervision, teaching, and program leadership in community, school, park, forest, institution, and other recreation settings. Prerequisite: consent of department.

520a-1 to 6 Readings in Forestry or Forest Recreation.

520b-1 to 6 Readings in Resource Economics.

520c-1 to 6 Readings in Forest Products or Wood Science.

570-4 Principles of Research.

575-1 to 6 Research.

581-1 to 6 Advanced Forestry Seminar.

599-1 to 9 Thesis.

Geography

Professors Ronald I. Beazley, Ph.D.

Douglas B. Carter, Ph.D.

David E. Christensen, Ph.D.

Floyd F. Cunningham, Ph.D.
(*Emeritus*)

T. J. Denis Fair, Ph.D.

Campbell W. Pennington, Ph.D.

Frank H. Thomas, Ph.D. (*Chairman*)

Associate Professors David L. Jones, Ph.D.

Annamarie E. Krause, Ph.D.
(*Emerita*)

Theodore H. Schmudde, Ph.D.

Marjorie Shank, M.A. (*Emerita*)

David M. Smith, Ph.D.

Assistant Professors Duane D. Baumann, Ph.D.

Sam B. Hilliard, Ph.D.

Daniel R. Irwin, M.A.

Donald Johnson, Ph.D.

C. Gary Lobb, M.A.

David M. Sharpe, Ph.D.

Instructor A. Doyne Horsley, M.A.

Visiting Professors Francois Gay
John House

The Department of Geography offers three programs to undergraduate students. They are the Bachelor of Science in Education, the Bachelor of Arts degree, and the Bachelor of Science degree.

1. Bachelor of Science in Education—for preparation to teach geography in the elementary or secondary school, or (with further preparation) in the junior college; or as a part of preparation to teach either social science or physical science in the elementary or secondary schools.

2. Bachelor of Arts—for a thorough specialization in a foreign area combined with two years of study in the appropriate foreign language; or in preparation for civil service appointment as a geographer.

3. Bachelor of Science—for comprehensive training in systematic geography (physical, cultural, or economic geography) combined with two years of training in mathematics; or in preparation for demands of private organizations requiring the services of geographers.

The core of training for undergraduate concentrations in geography involves two basic phases of preparation. First, Geography 300, 302, 304, 306, and 310 are a series of courses which offer the student a basic background in geography. In this initial core of classes, the student becomes acquainted with the viewpoint and methods of geography, with the concepts and theories of physical, economic, and cultural geography, and

finally with the basic techniques and tools used by the geographer, namely maps and quantitative methods. These courses should be completed prior to taking other geography courses.

The second phase of the undergraduate work is one of specialization. Herein, he performs more advanced work in his field of interest by completing two sequences of courses. Two quarter sequences are offered in advanced physical, economic, and cultural geography. Thus, a student interested in one of these fields—say economic geography—may take both sequences in advanced economic geography. A student who is not interested in such concentration can make his choice from a full range of other systematic and regional sequences. The capstone of the program is Geography 490—tutorial. The tutorial offers the student an opportunity to work intimately with two of the faculty during the senior year.

A geography student is encouraged to supplement his geographic preparation by taking courses in other fields of study which are cognate in his geography concentration. For instance, students who concentrate in physical geography should select appropriate courses from geology, botany, forestry, or physics to supplement his training in geography.

Each student should develop his own program of study in council with the undergraduate advisor in the Department of Geography.

Honors in geography is a special program available to the undergraduate student with an overall grade point average of 4.00 or better. During his junior year and after the completion of the undergraduate core of courses in geography, the honors candidate will be offered a three part package of training to develop his geographic research skills in the framework of Geography 487a (2)—honors tutorial, Geography 487b (4)—honors readings, and Geography 487c (4)—honors (supervised) research. This sequence of courses must be supplemented by one advanced sequence of courses in 400 level geography. Eligible students must contact the departmental undergraduate adviser for the consent of the department prior to their enrollment in this program.

Students taking a secondary concentration in geography must take Geography 300, 302, 304, and 306 while those taking the social studies program in the College of Education must take 300, 302, and 306. Students preparing to teach are strongly urged to take, as one of their electives, Geography 443 “Teaching of Geography.” Consultation with the undergraduate adviser in the Department of Geography is highly recommended for College of Education students also.

<i>Bachelor of Arts Degree</i> , COLLEGE OF LIBERAL ARTS AND SCIENCES	
<i>General Studies Requirements</i> (Waive GSB–3.)	81
<i>Supplementary Two-Year College Requirement in FL/Mathematics</i>	
Foreign Language GSD FL–9 and FL 201–9	18
<i>Requirements for Concentration in Geography</i>	42
GSA 331	3
Geography 300, 302, 304, 306, 310a, 2 400-level sequences, 490	38
Geography electives to complete 42 hours	1
<i>Electives</i>	51
<i>Total</i>	192

<i>Bachelor of Science Degree</i> , COLLEGE OF LIBERAL ARTS AND SCIENCES	
<i>General Studies Requirements</i> (Waive GSB–3)	81
<i>Supplementary Two-Year College Requirement in FL/Mathematics</i>	

Mathematics: Math 111-10 and 150-10	20
Requirements for Concentration in Geography	42
GSA 331	3
Geography 300, 302, 304, 306, 310a, 2 400-level sequences, 490	38
Geography electives to complete 42 hours	1
Electives	49
Total	192

Bachelor of Science Degree, COLLEGE OF EDUCATION

General Studies Requirements (Waive GSB-3.)	81
College of Education Requirements for teacher certification	28-36
Guidance 305-4, Secondary Ed. 310-4. Secondary Ed. 315-3 (or Geography 443-4), Secondary Ed. 352-8-16 ..	20-28
Two electives from a list of 8 courses	8
Requirements for Concentration in Geography	48
GSA 331	3
GSD FL	(9)
Geography 300, 302, 304, 306, 310a, one 400 level sequence, 490 (4)	31
Geography electives to complete 48 hours (Only 42 hours are required if two 24-hour concentrations are presented; only 36 hours are required if one other 48-hour concentration is presented.) ¹	14
Electives	27-35
Total	192

¹ A background in statistical analysis is recommended.

Secondary Concentration

Secondary Concentration should include the core courses, for together these courses offer the strongest basis preparation in geography.

Course Descriptions

- 300-4 Introduction to Geography.** The nature of geography, the kinds of problems which it investigates, the methods which it uses. Preparation for systematic geography.
- 302-4 Physical Geography.** A study of the earth's physical surface, world distribution patterns of the physical elements, their relationship to each other and their importance to man. Field trip and laboratory work. Prerequisite: 300.
- 304-4 Economic Geography.** Study of the spatial distribution and interaction of economic activities. Introduction to locational theory. Prerequisite: 300.
- 306-4 Cultural Geography.** An overview of the geographic viewpoint in the study of the human occupancy of the earth. Aspects of population, settlement, and political geography are treated, and a generalized survey of major world cultural areas is used to integrate course elements. Prerequisite: 300.
- 310-7 (4,3) Cartographic Methods.** Properties of maps and air photos, their uses and sources; Map symbols, map projections and map construction. Introduction to the use of quantitative techniques as applied in geographic study. Laboratory. Prerequisite: 300.
- 324-4 Geographic Basis of Resource Management.** Survey of major resources of United States with stress on problems of conservation and restoration. Emphasis on water, mineral, forest, grass, soil, wildlife, scenic, and recreational resources. Field trips.
- GSA 330-3 Weather.**
- GSA 331-3 Climate.**
- GSB 354-3 Industrial Economics Geography.**

GSB 356-4 Geography of the Sub-Saharan Africa.

400-3 Geographic Methods. Designed to introduce the geographic methods of integrating physical, economic, and cultural elements in the study of areas with the emphasis placed on problem situations. Cartographic and quantitative techniques will be emphasized. Prerequisites: consent of department.

402-10 (4,3,3) Advanced Physical Geography I. Deals with one or more of the following: land forms, climate, soil, and water; depending on, and varying with, interests of the instructors. Thus, a student may register more than one time. Emphasis will be directed at familiarizing the student with techniques of analysis, and at developing concepts and principles that underlie understanding of the phenomena and their geographic significance. Prerequisite: 302 or consent.

403-7 (4,3) Advanced Physical Geography II. Content drawn from same broad range of topics as 402. To be alternated with 402 to enable student to specialize further in physical geography. Prerequisite: 302 or consent.

404-10 (4,3,3) Advanced Economic Geography I. Deals with one or more of the following: transportation, manufacturing, agriculture, resources, trade and urban geography; depending on, and varying with, interests of instructors. Thus, a student may register more than one time. Emphasis will be directed at familiarizing the student with techniques of analysis, and at developing concepts and principles that underlie understanding of the phenomena and their geographic significance. Prerequisite: 304.

405-7 (4,3) Advanced Economic Geography II. Content drawn from same broad range of topics as 404. To be alternated with 404 to enable student to specialize further in economic geography. Prerequisite: 304 or consent of department.

406-10 (4,3,3) Advanced Cultural Geography I. Deals with one or more of the following: population, settlement, ethnic characteristics, political factors; depending on, and varying with, interests of the instructors. Thus, a student may register more than one time. Emphasis will be directed at familiarizing the student with techniques of analysis and at developing concepts and principles that underlie understanding of the phenomena and their geographic significance. Prerequisite: 306, or consent.

407-7 (4,3) Advanced Cultural Geography II. Content drawn from same broad range of topics as 406. To be altered with 406 to enable student to specialize further in cultural geography. Prerequisite: 306 or consent of department.

410-8 (4,4) Advanced Geographic Techniques. Geographic applications of cartographic and quantitative research techniques. Prerequisite: 310 or consent.

416-8 (4,4) Advanced Cartography. Instruction and practice in the techniques of map-making and problems in map reproduction. Laboratory. Prerequisite: 310 or consent.

424-2 to 12 Regional Problems in Conservation. The distribution, use, and interrelationship of the resources of the U.S. and the conservation techniques applied to them.

440-2 to 6 Reading for Majors. Supervised readings in selected subjects. Prerequisite: advanced standing and consent of department.

443-4 Teaching of Geography. Presentation and evaluation of methods of teaching geography. Emphasis upon geographic literature, illustrative materials, and teaching devices suitable to particular age levels. Prerequisite: 300.

461-7 (4,3) Regional Geography: Anglo-America. Deals geographically with present-day United States and Canada. (a) A general survey of the area, open to students without a concentration; (b) Investigates specific topics in depth, for students with a concentration in geography.

462-7 (4,3) Regional Geography: Europe. See 461.

463-7 (4,3) Regional Geography: Mediterranean Lands and Southwestern Asia. See 461.

464-7 (4,3) Regional Geography: Soviet World. See 461.

465-7 (4,3) Regional Geography: Subsaharan Africa. See 461.

466-7 (4,3) Regional Geography: Eastern and Asia. See 461.

467-7 (4,3) Regional Geography: Latin America. See 461.

468-7 (4,3) Regional Geography: Oceania. See 461.

470-16 (4,4,4-8) Urban Planning. (Same as Government 470.) (a) Planning concepts and methods. (b) Field problems. (c) Planning and public administration internship. Prerequisite: junior standing.

471-7 (4,3) Regional Planning. Examination of the viewpoint, methods and

techniques of regional planning. Prerequisite: Concentration in Geography or consent.

480-4 Workshop in the Teaching of Geography. Geographic approach to man in space. Skills and techniques in using maps, globes, pictures, statistics, and graphics and in reading the landscape and literature. Prerequisite: consent.

487 (2,4,4) Honors in Geography. (a) Honors tutorial (b) Honors reading (c) Honors supervised research a and b may be taken in any order but both must precede c. These three courses must be spread over the last two years of the undergraduate's career. Prerequisite: consent of the department.

490-1 to 12 (1 to 4, 1 to 4, 1 to 4) Tutorial in Geography. Individual and small group conferences with staff members to examine geographic concepts. (a,b,c) Prerequisite: Senior, concentration in geography.

500-4 Geographic Techniques I.

501-4 Geographic Techniques II.

505-8 (2,2,2,2) Pro-seminar in Geography.

511-4 Philosophy of Geography.

514-2 Teaching of College Geography.

515-4 to 6 Field Course.

520-2 to 12 Seminar in Physical Geography.

521-2 to 12 Seminar in Economic Geography.

522-2 to 12 Seminar in Regional Geography.

523-4 to 12 Seminar in Cartography.

524-2 to 8 Seminar in Cultural Geography.

527-2 to 8 Seminar in Urban and Regional Planning.

530-2 to 10 Independent Studies in Geography.

540a-2 to 36 Research in Physical Geography.

540b-2 to 36 Research in Economic Geography.

540c-2 to 36 Research in Regional Geography.

540d-2 to 36 Research in Cultural Geography.

599-2 to 9 Thesis.

600-1 to 48 Dissertation.

Geology

Professors Stanley E. Harris, Jr., Ph.D. Assistant Professors Frank James
Associate Professors Jen Ho Fang, Bell, M.S.

Ph.D.

Daniel N. Miller, Ph.D. (*Chair-*
man)

John E. Utgaard, Ph.D.

Richard Davis, Ph.D.

George D. Fraunfelder, Ph.D.

Don L. Sawatzky, B.S.

In the field of geology a student may work toward either a Bachelor of Arts or Bachelor of Science degree.

The Bachelor of Arts degree requires a concentration in geology and a secondary concentration determined by consultation with the geology adviser.

The Bachelor of Science degree requires a concentration in geology and courses in chemistry, mathematics, and physics.

Having obtained a Bachelor of Arts degree, a student may continue his education toward a Master of Science degree although it may be necessary to absolve deficiencies in physics and mathematics.

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

General Studies Requirements (Waive GSA-3. GSD FL-9 included) 76¹

Supplementary Two-Year College Requirement in FL/Mathematics

Mathematics: Mathematics 111-10 and 150-10 20

Requirements for Concentration in Geology 68-69

Geology 220, 221, 302, 310a, 310b, 315, 331, 410, 415, 425a,

425b, 450a² 50

Geology 320 or 400 level course 4

Chemistry 121a,b (Students entering with high school

chemistry should begin with 121a)	10
Physics 206a, 207a or 211a	4-5
Secondary Concentration	24 ³
Electives	3-4
Total	192

Bachelor of Science Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

General Studies Requirements (Waive GSA-3. GSD FL-9 included)	76 ¹
Supplementary Two-Year College Requirement in FL/Mathematics	
Mathematics: Mathematics 111-10 and 150-10	20
Requirements for Concentration in Geology	89-93
Geology 220, 221, 302, 310a, 310b, 315, 331, 410, 415, 425a, 425b, 450a ²	50
Geology 320 or 400 level course	4
Mathematics 252a, 252b	9
Chemistry 121a, 121b (Students entering with high school chemistry should begin with 121a)	10
Chemistry 235 or 305a	4-5
Physics 206a, 206b, 206c, 207a, 207b, 207c, or 211a, 211b, 211c	12-15
Electives	3-7
Total	192

¹ Physics 206a, 207a, or 211a is substituted for GSA-101a.
Chemistry 121a or b is substituted for GSA 101b.
² The summer field course in geology, Geology 450a, should be taken between the junior and senior years.
³ A secondary concentration is determined by consultation with the geology adviser. Concentration in chemistry, mathematics, physics, zoology, or biological sciences is recommended. Secondary concentration in other fields require the consent of the chairman of the Department of Geology.

Secondary Concentration

A secondary concentration consists of 24 hours, determined by consultation with the geology adviser.

Course Descriptions

- 220-3 Physical Geology.** Introduction to the history of geologic concepts; study of the principal rocks and minerals; development of natural laws pertinent to an understanding of the earth's surface and near surface features, environments, and primitive life forms; introduction to map and air photo reading. Laboratory and field trips required. Prerequisite: high school or college chemistry.
- 221-3 Historical Geology.** Presents in chronological order the procession of physical and biotic changes through which the earth has passed. Includes the physical history and evolution of life forms as evidenced by fossil records. Laboratory and field trips required. Prerequisite: 220 or consent of instructor, elementary course in botany or zoology.
- 302-4 Structural Geology.** A study of the forces involved in the deformation of the earth's crust, with special emphasis on the recognition, interpretation, and illustration of the resultant geologic structures. Laboratory. Prerequisite: 220, 221, Mathematics 111a,b. Recommended: Physics 111a or 211a or concurrent enrollment.
- 310-8 (4,4) Mineralogy I and II. (a)** Non-silicate minerals. Rudiments of crystal structure, morphology, and symmetry. Crystal classes and stereographic projections. **(b)** Silicate minerals. Aspects of crystal chemistry. Prerequisite: 220, Chemistry 111b or concurrent enrollment.
- 315-4 Petrology.** A study of the characteristics and classification of rocks, their origin and geologic distribution. Laboratory. Prerequisite: 310.

320-4 Economic Geology. Study of the geological aspects and origin, as well as the economic and political importance, of mineral resources. Prerequisite: 302 and 310b.

GSA 321-3 Introduction to Paleontology.

GSA 322-3 Rocks and Minerals.

331-4 Geomorphology and Air Photo Interpretation. A study of land forms and surface conditions, relating topographic features to the underlying rocks and structure and to processes of erosion, deposition, and earth movements. Laboratories consider techniques of observation, description, and analysis including use of many types of maps, air photos, infra-red, radar, satellite and other geophysical sensing devices. Prerequisite: 220.

400-3 Earth Science Seminar. Two classroom meetings per week and two field trips on the observational, interpretive, and communicative aspects of earth science subjects. Prerequisite: 221 or 331; GSA 110b; GSA 330 or 331.

410-4 Stratigraphy and Sedimentation. The characteristic features of sedimentary rocks and their processes of origin; the classification of stratigraphic units, methods of correlation, and paleogeologic reconstruction. Laboratory. Prerequisite: 220, 221, 310a, 315, 425a,b or consent of instructor.

411-3 Mineralogy III. Elementary crystallography. Applications of physical principles to mineralogical problems. Prerequisite: 310a,b.

414-5 Paleobotany. (See Botany 414.)

415-3 Optical Mineralogy. The optical properties of minerals and the use of the petrographic microscope for identification of crystals by the immersion method and by thin section. Laboratory. Prerequisites: 310, Physics 208.

416-4 X-Ray Crystallography. Introduction to the study, measurement, and identification of unknown crystalline materials by X-ray diffraction techniques (especially the Debye-Scherrer methods). Upon request, students may work with unknowns from other fields of study. Prerequisites: 310, Mathematics 150.

420-8 (4,4) Geology of Petroleum. The geological occurrence of petroleum, including origin, migration, and accumulation; a survey of exploration methods and production problems and techniques. Laboratory study applies geological knowledge to the search for and production of petroleum. Laboratory. Prerequisites: 221, 302.

425-8 (4,4) Invertebrate Paleontology. (a) Principles of paleontology and a survey of important invertebrate phyla and their fossil representatives. (b) Paleocology and continuation of 425a. Laboratory. Must be taken in a,b sequence. Prerequisite: 221 or GSA 201.

430-4 Physiographic Provinces of North America. Designed to give the student an intelligent appreciation of the evolution of land forms in the physiographic provinces of North America and to explain the surface features in a landscape. Prerequisite: 220.

435-8 (4,4) Hydrogeology. Introduces the geological factors in the origin, distribution, movement, and chemistry of natural water of the earth. Prerequisite: 315, Mathematics 150b and Physics 207.

436-8 (4,4) Elementary Exploration Geophysics. Lectures on theory and interpretation of geophysical exploration methods. Laboratory to involve use of instrumentation and interpretation of field data. Field trips required. Prerequisite: 220, Physics 211 or concurrent enrollment.

440-1 to 4 Independent Study. Prerequisites: 220, 221, advanced standing.

450-12 (9,3) Field Geology. Field mapping including problems in stratigraphy, structure, paleontology, physiography, and economic geology. Requires a written geologic report. Consult the department for dates, cost, and equipment. Prerequisite: 302, 315.

455-3 Engineering Geology. (See Engineering 455.)

460-4 Geological Data Processing. Two lecture and two laboratory periods each week for instruction in computer application to geological problems including the processing and programming of data and the interpretation and evaluation of results. Prerequisite: Engineering 222 or Mathematics 225.

510-11 (4,4,3) Stratigraphy.

515-12 (4,4,4) Mineral Deposits.

520-12 (4,4,4) Advanced Petrology.

528-3 to 9 Introduction to Micropaleontology.

529-8 (4,4) Advanced Invertebrate Paleontology.

540-1 to 9 Advanced Studies.

541-1 to 9 Research.

599-2 to 9 Thesis.

Government

Professors Abdul Abbass, Ph.D.	Max Sappenfield, Ph.D.
Ikua Chou, Ph.D.	Stephen Wasby, Ph.D.
Fred Guild, Ph.D.	Assistant Professors John Baker,
Jack Isakoff, Ph.D.	Ph.D.
H. B. Jacobini, Ph.D.	Jnan Bhattacharyya, Ph.D.
David Kenney, Ph.D.	Richard Dale, Ph.D.
Frank Klingberg, Ph.D.	Robert H. Dreher, LL.B.
Robert McGrath, Ph.D.	David Everson, Ph.D.
Ward Morton, Ph.D.	Egon Kamarasy, Ph.D.
Randall Nelson, Ph.D. (Chairman)	Joann P. Paine, Ph.D.
Max Turner, Ph.D.	Leland Stauber, Ph.D.
Associate Professors William Garner,	Jack Vanderslik, Ph.D.
Ph.D.	Instructors Rino Bianchi, M.A.
Charles Goodsell, Ph.D.	John Jackson, M.A.
Earl Hanson, Ph.D.	Mark Levine, M.A.
William Hardenbergh, Ph.D.	Roy Miller, M.A.
Melvin Kahn, Ph.D.	
Manfred Landecker, Ph.D.	Visiting Professor Howard Trivers,
Marian Ridgeway, Ph.D.	Ph.D.

A concentration in government is recommended for persons preparing to teach social science or government courses, to attend law school, for a position in industry, for the public service, or for graduate study in political science. A concentration in government is also recommended for those students who wish to maintain an active interest in or understanding of the political scene. Students planning to concentrate in government should consult with the academic adviser of the department at the time of registration.

Government students should take at least one secondary concentration in a related field and as much work as possible in other social sciences. Students planning to take graduate work in government should acquire a reading knowledge of a foreign language, and a knowledge of mathematics or statistics is highly recommended.

It is recommended that government students meet the second-level requirements in GSB by taking 201-8. In addition, it is recommended that these students also take GSB 211a as an elective in order to acquire the prerequisite for other economics courses. Students should begin their work with Government 231 and 232 which are basic courses and prerequisite for many advanced courses. They may, however, take GSB 211b; in this case they are not permitted to take Government 231 but may take 232.

The department has an Honors Program in government: Government 321, Directed Readings; Government 350, Masterpieces of Political Science; and Government 490, directed research for senior government honor students.

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

General Studies Requirements (Waive GSB-3.)	84
Supplementary Two-Year College Requirement in FL/Mathematics	18-20
Requirements for Concentration in Government	48
Government 231 (or GSB 211b), 232	
Government electives, including GSB 3 courses offered by the department, to total 48 hours distributed as follows:	
Four courses selected from the fields of International Affairs and Comparative Governments. One must be at the 400 level	

Four courses from three of the following fields: American Government and Policy, Political Process, Public Administration and Organizational Behavior, and Political Theory

Sufficient other courses in government to total 48 hours

A minimum of 12 hours must be taken at the 400 level.

<i>Electives</i>	40-42
<i>Total</i>	192

Bachelor of Science Degree, COLLEGE OF EDUCATION

A concentration in government includes 48 hours. The following courses are recommended: Government 231, 232, 305, 315, 330, 340, 360, 371, 379, 380, 420, 466, 467, 472, 487-8, 495-8, GSB 302, 303, 385, 390, and 392.

Course Descriptions

200-4 Introduction to Political Science. Study of politics with emphasis on contemporary theories for ordering political systems, the institutions of government and their processes, and the social roots of political behavior.

231-4 American National Government. A survey covering the structure, functions, and principles of national government. Also meets social science and American government requirements.

232-4 State and Local Government. Structure, functions, and decision-making processes of American governments. Prerequisite: 231 or GSB 211b.

300-4 American Government. An advanced course to satisfy the American government requirements of the College of Education. Deals with the structure and functions of national, state, and local government. Not open to those who have had 231 or GSB 211b.

GSB 303-3 International Relations.

305-5 Development of the American Constitution. The evolution of the United States constitutional system. Recommended for prelaw students. Prerequisite: 231 or GSB 211b.

310-4 The Polity and the Economy. Problems faced by public policy in the United States; underlying causes analyzed and the policy-making process evaluated. Includes government and agricultural problems, role of labor unions, consumer in the market place, evolution of anti-trust policy, techniques of economic regulation, inflation, unemployment, military-industrial complex, problems of minorities. Prerequisite: 211b or 231.

315-3 Administration of Justice. The organization and work of the American judicial system. Recommended for prelaw students. Prerequisite: 231 or GSB 211b.

321-1 to 6 Readings in Government. In-depth, introductory and advanced readings in areas not covered in other government courses. The student must submit a statement describing his topic and relevant reading materials to the Department of Government undergraduate adviser for approval before registering for this course.

330-2 Illinois Government. Development and functioning of Illinois state and local governments. Prerequisite: GSB 211b, or 231, or junior standing.

340-3 The Legislative Process. Review of theory and research or representation, demands, support, decision making, outcomes, and other aspects. Emphasis on U. S. Congress and state legislatures. Prerequisites: 231 or GSB 211b.

GSB 345-3 Introduction to American Foreign Policy.

350-4 Masterpieces of Political Science—Honors. Significant works in political science, both classical and modern. A different book is read and discussed each week. Prerequisite: President's Scholar with junior standing, or a 4.0 cumulative GPA, or consent of instructor.

360-5 Public Administration. Principles and problems of administration on the national, state and local level. Prerequisite: 231 or GSB 211b.

361-3 Problems in Public Administration and Policy Formulation. Intensive examination of problem areas illustrating administrative and management practices in public service and demonstrating linkages between politics and administration in our political system. Prerequisite: 360.

371-3 Problems of American Foreign Policy. An analysis of selected problems in the field of American foreign policy. Prerequisite: GSB 345.

- 379-4 History of Political Parties.** A study of the historical development of American political parties. Prerequisite: 231 or GSB 211b.
- 380-4 Political Parties.** The development and work of American political parties. Prerequisite: 231 or GSB 211b.
- GSB 390-3 Introduction to Comparative Government.**
- GSB 392-3 Introduction to Latin American Government and Politics.**
- 398-4 Government and Law.** Legal process in operation, basic procedural elements, and the law of manufacturing liability, contract law, and labor law. Prerequisite: 231 or GSB 211b.
- 406-4 The American Chief Executive: President and Governor.** A study of the origin and background of the presidency and the governorship, qualifications, nomination and election, succession and removal, the organization of the executive branch, and the powers and functions of the president and governor. Prerequisites: 231 or GSB 211b.
- 410-3 Labor and Politics.** A political history of the American labor movement from its early 19th century origins to the present. Attention given to the political philosophy and practice of labor unions.
- 415-9 (3,3,3) Political Behavior.** (a) Critical behavioral evaluation and synthesis of empirical studies attempting to predict political choice and conflict behavior. (b) Integration of applicable behavioral theory and findings incorporating a structural-functional systems approach and general systems analysis for constructing research. (c) Introduction to the techniques of behavioral political science. Prerequisite: 231 or GSB 211b.
- 420-3 Pressure Groups and Politics.** An analysis of interest groups and their techniques of political propaganda.
- 425-4 Blacks and Whites in American Politics.** Topics include various forms of political participation, leadership behavior, and analysis of political strategies including the Black Power concept. Prerequisite: 231, or GSB 211b.
- 430-3 Government and National Security.** A study of the organization of government for national security; the historical and current developments in civil-military relations; the legal status of over-seas military aid programs; international defense programs; and the problem of disarmament.
- 436-3 Government and Labor.** (See Economics 436.)
- 438-4 Social Welfare Legislation.** The Social Security Act and other legislation of major significance for the welfare and maintenance of the family, the handicapped, children, and other special groups. Their relationship to the legal structure of federal, state, county, township, and municipal welfare facilities and institutions with indications of economic and social consequences.
- 440-4 Public Personnel Administration.** An analysis of some of the central problems encountered by the government executive in recruiting, maintaining, and developing personnel, such as political neutrality, leadership and motivation, career development, security regulations, and the role of personnel in policy planning and execution. Prerequisite: 360.
- 441-4 Philosophy of Politics.** (See Philosophy 441).
- 450-12 (4,4,4) Latin American Governments.** (a) Problem analysis of contemporary Latin American government and politics. (b) Latin American national systems. (c) Hemispheric Relations. No prerequisite but GSB 392 recommended.
- 451-4 International Politics of Europe.** Comparative analysis of foreign policies of major states. Includes nationalism, unification and security, and Western Europe's relations with the developing world, Eastern Europe, the U. S. S. R., and the U. S.
- 452-4 Government and Politics of Sub-Saharan Africa.** Government and politics of French, English, and Portuguese-speaking areas of sub-Saharan Africa. Decolonization process and the relations of African states with each other and non-African powers. Prerequisite: GSB 390, or 391, or consent of instructor.
- 453-12 (4,4,4) The Government and Politics of the Soviet Union.** An intensive study and research exercise in communist government and politics.
- 454-8 Development of German Democracy.** Involves a summer's residence in Germany with classroom material supplemented by lectures by German professors and government officials. Prerequisite: consent of instructor.
- 455-4 Major Governments of Western and Central Europe.** A comparative study of the political systems of the major countries of Western and central Europe. Prerequisite: GSB or Government 390 or consent of instructor.
- 456-4 Great Britain and the Commonwealth.** The Commonwealth association and the politics of Great Britain and the "Old Commonwealth" countries: Australia, Canada, New Zealand.

457-8 (4,4) Government and Politics in the Near and Middle East. Iran, Iraq, Syria, Lebanon, Egypt, Jordan, Saudi Arabia, etc. Prerequisite: GSB 390 or consent of instructor.

458-12 (4,4,4) Government and Politics of Asia. (a) Burma, Thailand, Malaya, Indochina, Indonesia, Philippines; (b) China, Japan, Korea, Formosa; (c) India, Pakistan, Ceylon. Prerequisite: GSB 390 or consent of instructor.

459-4 Politics of Developing Areas. A survey, theoretical and descriptive, of the impact upon politics of the process of development, and the role of the governmental system in the direction and control of development. Prerequisite: GSB 390 or consent of instructor.

461-4 Organizational Theory and Public Administration. Analysis of various theoretical approaches to public administration with emphasis on recent American literature in this field. Prerequisite: 360 or consent of instructor.

462-3 Intergovernmental Relations. Interaction between governmental units in the American federal system and the impact on the formulation of public policy and the performance of governmental functions. Prerequisite: 231 or GSB 211b.

463-3 Government, Social, and Economic Policy. Explanation of contemporary agencies of policy determination within the national government; attention to methods and devices utilized to effectuate national social and economic policy within the federal system; appraisal of historical developments, trends, and results as they affect American governmental, constitutional, and political philosophy, public administration, and the general welfare. Prerequisite: 231 or GSB 211b.

466-3 State Government and Administration. Emphasis on recent developments and research findings. Prerequisite: 232.

467-4 Urban Politics. Environment, institutions, processes, and functions of government in an urban society. Emphasis on current problems of social control and the provision of services in the cities. Prerequisite: 232.

469-3 Administration of State and Local Finance. An examination of the administrative problems connected with local and state revenues and expenditures in the U.S. Prerequisite: 232.

470-4 Urban Planning. (See Geography 470).

471-4 The Organization and Administration of American Foreign Policy. An advanced course dealing with the organizational and administrative aspects of American foreign policy. Prerequisite: 345.

472-4 International Organization. Development and organization of international government and administrative systems, with emphasis on the United Nations. Prerequisite: GSB 303.

475-8 (4,4) International Law. Rules and practices governing the nations in their relations in peace and war. Prerequisite: GSB 303 or consent of instructor.

478-4 International Politics. Alignment and conflicts of the major powers in historical and contemporary perspective. Emphasis on the basic interests of the great powers, regional arrangements, spheres of influence, the use of coercion in world politics.

480-4 The Pacific and the Far East. Political and strategic problems in this area. Prerequisite: GSB 303 or History 370.

484-8 (4,4) History of Political Theories.

487-6 (3,3) American Political Ideas. An historical study of the political ideas of leading American statesmen and publicists, and their resulting influence upon our governmental system.

488-9 (3,3,3) Recent Political Theory. (a) The outstanding Anglo-American liberal political theorists from John Stuart Mill to the present; (b) The outstanding "scientific" political theorists from Karl Marx to the present; (c) The outstanding idealistic and nationalistic political theorists from Hegel to the present.

490-2 to 6 Honors Research. Not for graduate students. Prerequisite: consent of instructor and chairman.

495-8 (4,4) Constitutional Law. (a) Constitutional law of the United States with emphasis upon cases dealing with the framework of our federal system; (b) American liberties. Prerequisite: 231 or GSB 211b.

497-4 Administrative Law. Law as it affects public officials in carrying out the rights, duties, and necessary functions of the public office. Prerequisite: 360.

498-4 Jurisprudence. (Theories of Law.) Major schools in legal thinking. Positive law and natural law. Idea of justice and concept of natural rights.

499-4 Scope and Method of Government. Practical training in research and writing techniques in the field of government. Bibliographical materials, footnotes, use of law library facilities, and government documents. Required of all beginning graduate students.

500-6 (3,3) Methods of Empirical Research.

501-525 Seminars.

501-2 to 9 Seminar in Contemporary Legislation.

502-2 to 9 Seminar in Governmental Problems.

503-2 to 9 Seminar in Pressure Groups.

504-4 Judicial Process.

505-2 to 9 Seminar in Political Parties.

506-2 to 9 Seminar in Political Behavior.

508-2 to 9 Seminar in International Relations.

509-2 to 9 Seminar in International Organization.

510-2 to 9 Seminar in State Government.

511-2 to 9 Seminar in Local Government.

512-2 to 9 Seminar in Public Administration.

513-2 to 9 Seminar in Constitutional Law.

515-2 to 9 Seminar in Comparative Government.

516-2 to 9 Seminar in Municipal Administration.

517-2 to 9 Seminar in Problems in Political Theory.

520-2 to 9 Seminar in American Foreign Policy.

521-1 to 12 Readings.

525-2 to 9 Seminar in International Law.

530-4 to 12 Internship in Public Affairs.

582-4 Criminal Law and the Correctional Process.

584-4 Seminar in Correctional Program Management.

595-2 to 12 Individual Research.

599-2 to 9 Thesis.

600-1 to 48 Dissertation.

Guidance and Educational Psychology

Professors Elmer J. Clark, Ph.D.

Jack W. Graham, Ph.D.

William Neal Phelps (*Emeritus*)

Guy A. Renzaglia, Ph.D.

W. A. Thalman, Ph.D. (*Emeritus*)

Associate Professors John J. Cody, Ph.D. (*Chairman*)

Harold L. DeWeese, Ph.D.

John Grenfell, Ed.D.

Francis John Kelley, Ph.D.

Jefferson F. Lindsey, Ed.D.

Clinton Roscoe Meek, Ph.D.

Aileen Webber Parker, Ph.D.

J. W. Yates, Ed.D.

Assistant Professors Michael K. Alterkruse, Ph.D.

Bruce R. Amble, Ph.D.

Donald M. Beggs, Ph.D.

Gerald Blumenfeld, Ph.D.

Harry Denzel, M.A.

Keith Alan McNeil, Ph.D.

Benson B. Poirier, Ed.D.

Alice Rector, Ed.D.

Beth W. Sulzer, Ph.D.

George Roy Mayer, Ed.D.

Louis Vieceli, M.Ed.

Course Descriptions

305-4 Educational Psychology. Study of the learner and the learning process. Includes study of behavior, discipline, development, the school environment, application of learning theories, and methods of assessment. Prerequisite: GSB 201c.

412-4 Mental Hygiene. A survey of principles concerning factors and conditions in personal life that tend to facilitate or deter mental health. Mental health viewed as living creatively in an atmosphere of satisfactory interpersonal relations. Prerequisite: 305.

422a-4 Construction and Use of Evaluation Instruments. Theory and techniques of measurement. Construction and use of teacher-made tests. Prerequisite: 305.

442-4 Basic Principles of Guidance. Introductory course on student personnel services. Survey of philosophy, principles, and organization of guidance services. Prerequisite: 305.

481-2 to 12 Seminar. Conducted by staff members and distinguished guest lecturers on pertinent topics. Prerequisite: 305 and consent of instructor and department.

501-2 to 12 Special Research Problems.

505-4 Introduction to Statistical Methods.
 506-4 Advanced Statistical Methods.
 507-4 Design and Analysis of Experiments.
 511-4 Educational Implications of Learning Theories.
 515-4 Psychological Aspects of Education.
 521-8 Analysis of Classroom Behavior.
 530-4 Standardized Testing: Theory, Use, and Interpretation.
 531-4 Theory of Measurement.
 532-8 Individual Measurement Theory.
 537-4 Counseling Theory and Practice.
 541-4 Occupational Information and Guidance.
 543-4 Guidance through groups.
 545m-4 Doctoral Seminar in Psychological Foundations of Education.
 546-8 Personality Assessment.
 548-10 to 24 Practicum in Secondary Guidance.
 553-2 to 4 Organization and Administration of Guidance and Pupil Personnel Services.
 555-2 to 12 Seminar in School Psychology.
 562-8 (4,4) Human Development in Education.
 567-2 to 12 Topical Seminar in Educational Psychology.
 568-2 to 16 Topical Seminar in Counseling and Guidance.
 580-2 to 10 Topical Seminar in Statistics and Measurement.
 581-1 to 2 Internship in Counseling, Guidance, and Counselor Supervision.
 590-2 Seminar in Behavioral Foundations.
 596-2 to 12 Independent Investigation.
 597-1 to 10 Independent Study.
 599-3 to 9 Thesis.
 600-1 to 48 Dissertation.

Health Education

Professors Donald N. Boydston, Ed.D. (Acting Chairman)	Charles E. Richardson, Ed.D.
Deward K. Grissom, Ed.D.	Robert D. Russell, Ed.D.
John R. LeFevre, Ed.D.	Andrew T. Vaughan, Ed.D.
Associate Professors A. Frank Bridges, H.S.D.	Assistant Professors James E. Aaron, Ed.D.
Leslie Ralph Casey, Ed.D.	Frances K. Phillips, M.A.
Florence E. Denny, M.A. (Emerita)	Instructor Herbert L. Vogel, M.S.

Bachelor of Science Degree, COLLEGE OF EDUCATION

The Department of Health Education offers three concentrations and three secondary concentrations. The three concentrations are:

1. *Health Education in Secondary Schools.* For those individuals planning to teach or to supervise health education in the secondary schools.
2. *Health Education in Elementary Schools.* For those individuals planning to supervise health education in the elementary schools.
3. *Community Health Education.* For those individuals planning to be health educators in community agencies.

The three secondary concentrations are:

1. *Health Education in Secondary Schools.* For those individuals planning to be secondary school supervisors or administrators.
2. *Health Education in Elementary Schools.* For those individuals planning to be elementary supervisors or administrators.
3. *Safety Education.* For those individuals planning to be school administrators, to teach driver education, to teach health education, or to work in any phase of safety education.

These concentrations, in general, constitute minimal preparation for the positions listed. Consequently, all candidates are strongly urged to complete additional work in the field.

<i>General Studies Requirements (Waive GSA-3.)</i>	84
<i>Requirements for Concentrations</i>	48-49
<i>Health Education in Secondary Schools</i>	
Health Education 300, 301, 305, 312, 325, 334s, 400, 405, 471, 491, plus 11 elective hours in Health Education.	
<i>Health Education in Elementary Schools</i>	
Health Education 300, 301, 305, 312, 325, 334s, 350, 400, 405, 471 plus Elementary Education 100, 203, and 314.	
<i>Community Health Education</i>	
Health Education 300, 301, 302, 312, 325, 334s, 400, 405, 471, 488, 489, 490, 491.	
<i>College of Education Requirements</i>	32
<i>Electives</i>	28-29
<i>Total</i>	193

Requirements for Secondary Concentrations

Health Education in Secondary Schools

Health Education 300, 305, 312, 334s, 471, 491, plus 7 elective
hours in Health Education.

Health Education in Elementary Schools

Health Education 300, 305, 312, 334s, 350, 471, plus 7 elective
hours in Health Education.

Safety Education

Health Education 302s, 313s, 323s or 334s, 442s, 443s, 475s, plus
6 hours of electives from the following: Health Education 323s,
334s, 415s, 445s, 480s, Special Education 414, 410A, 410B, Psy-
chology 303, 305, 312, 404, 320, Technical and Industrial Educa-
tion 465A, 465B, or Instructional Materials 417.

Course Descriptions

300-3 Communicable Disease. A study of the communicable diseases with emphasis on control and principles of prevention, and application of these principles to the individual school and community.

301-4 Health Education Concepts, Advanced. A survey of health sciences applied to healthful living. The dynamics of health and environment, behavior fitness, disease, addition, havituation and population control.

302s-4 Driver and Traffic Safety Education I. Prepares the college student for teaching driver education and training in the secondary school. Prerequisite: a valid driver's license.

305-4 Principles and Foundations of Health Education. Introduction to philosophy and history of health education as well as functions of the school health department and voluntary agency interaction in the health education program. Prerequisite for all 300 and above.

310-4 Home Nursing. Theory, practice, and demonstration concerning equip- ment, care of patient and sick room, maternity and child care, recognition of common symptoms of disease, administration of simple treatments.

311-4 Child Development. Physical development of the child beginning with the study of pregnancy, prenatal and maternal care continuing with overview of development from birth through puberty.

312-4 Emotional Health. Concepts of positive emotional health as related to teacher and parent in terms of influences on the child in the classroom and community.

313s-4 Introduction to Safety Education. Prepares for safety education in the public schools. Concerns safety as a social problem, development of safety skills, accident causes, teacher liability, research in the field.

323s-4 Methods and Materials in Safety Education. To acquaint student with material aids and methods, techniques in the teaching of safety education at elementary and secondary school levels.

325-3 Community Health Problems. Problems of a community health nature are treated and methods outlined to meet the problems. Areas include com-

munity health organization, problems of the environment, food, sanitation, and disease. Epidemiological process stressed.

330-4 Consumer Health. Legislation on state and federal levels affecting the health of the consumer; official agencies serving as watchdogs of consumer health; non-official agencies (AMA, CU, etc.) doing the same job; health and medical protection in the form of insurance, group practice, prepayment, etc.; health hazards of the space age; false and misleading information and advertising in health and medicine; cultists and faddists and their effect on the health of the consumer; media and publications and consumer health.

334s-4 First Aid. Red Cross First Aid Course with lectures, demonstrations, and practical applications. Red Cross Instructor's Certificate given.

350-4 Health Education Methods and Materials for Elementary Teachers. Designed to show the prospective teacher fundamental processes, techniques, and material aids involved in elementary school health teaching.

355-4 Introduction to Public Health. Philosophy, organization, administration, and functions of federal, state, and local, official and voluntary public health agencies. Periodic field trips involved.

356-5 Public Health II. An examination of specific public health problems and measures of control. Intended for health science students only.

400-4 Health Appraisal of School Children.

401-3 Disease Prevention and Control. Principles and practices in the prevention and control of communicable, chronic, and degenerative diseases in the school and community.

405-4 Sex Education in Schools. Problems of teaching sex education in schools. Designed to meet state requirements for preparation of teachers.

415s-3 to 4 Workshop in Driver Education and Traffic Safety.

442s-4 Practicum in Driver and Traffic Safety Education II. Provides prospective teachers with dual-control, simulation, and multiple-car laboratory teaching experiences. Teaching beginners, developing programmed lessons, methods and materials of instruction included. Prerequisite: 302s.

443s-4 Driver & Traffic Safety Education Program Administration III. Includes a study of program administration, supervision, and planning. Prerequisite: 442s.

445s-4 Driver Simulation. For in-service and pre-service teachers and supervisors of driver and traffic safety education. Includes methods of instruction, equipment familiarization, program development and objectives. Prerequisite: 443s or consent of the instructor.

450-4 Health Education in the Elementary School.

460-4 School Health Programs.

461-4 to 8 Workshop in Health Education.

462-4 Health Education Workshop.

463-1 to 4 Workshop in Health Education with Emphasis in Disaster Preparedness.

464-4 Workshop in Alcohol Education.

471-4 Organization, Administration and Curriculum in School Health.

475s-4 Traffic Law Enforcement and Planning. Acquaints safety and driver education teachers with the purposes of traffic law enforcement and engineering and the methods used to fulfill these purposes. Emphasis on ways of improving existing services. Prerequisite: 443s.

480s-4 Workshop in Safety Education.

481s-4 Safety Education Workshop.

485-4 International Health. A survey and analysis of the health beliefs, values, and practices of peoples in other cultures, with particular attention to how these beliefs and practices fit into a total way of life. An international orientation of potential value to both prospective teachers and students in other fields.

488-4 Educational Aspects of Environmental Sanitation.

489-4 Introduction to Vital Statistics.

490-2 to 8 Field Work in School and Community Health.

491-4 Health Teaching Methods in School and Community. An intensive study of and practice at various dimensions of teacher-student relations in the classroom with emphasis on the multiple roles of the teacher. Prerequisites: 305, 471 or consent of instructor.

500-4 Community Organization for Health Education.

510-4 Construction of the Curriculum in Health Education and Safety.

511-5 Practicum in Health Education Workshop.

515-4 Review Current Literature in Health Education Public Health and Safety Education.

- 520-4 to 6 Special Projects in Health and Safety.
- 525s-4 Organization Administration and Supervision of Safety Education.
- 526-4 Evaluation in Health Education and Safety.
- 530s-4 Problems and Research in Accident Prevention.
- 533-12 (4,4,4) Human Conservation.
- 536-4 Professional Preparation in Health Education.
- 590-4 to 12 Field Internship.
- 597-3 (1,1,1) Seminar in Health Education and Safety.
- 599-3 to 9 Thesis.
- 600-1 to 48 Dissertation.

Health Science

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

General Studies Requirements (Waive GSA-3.)	84
Requirements for Concentration in Health Science	72
GSA 101b, 201-8	(12)
GSB 102-8, 201-8	(16)
GSD 108-6, 110, FL-9	(9) + 9
GSE 201	(3)
Chemistry 111b,c	10
Government 231, 360	10
Health Education 300, 325, 355, 356, or 490	15
Microbiology 301, 403	10
Psychology 320, 323	8
Zoology 102, 407	10
Electives	36
Total	192

Recommended electives for specialization in sanitation: Botany 404, Health Education 488, Mathematics 111-10 (Alternatives to above GSD requirements), Physics 206-9, Zoology 306, 310, 316, and 406.

Recommended electives for specialization in public health laboratory: Botany 405, Chemistry 230, Microbiology 425, 441, and 451, Physiology 315, Zoology 306, 321, and 406.

Higher Education

Professors Oliver J. Caldwell, M.A.	Donald W. Robinson, Ph.D.
I. Clark Davis, Ed.D.	Associate Professors Malvin E. Moore,
Jack W. Graham, Ph.D.	Jr., Ed.D.
John E. Grinnell, Ph.D. (Emeritus)	Richard M. Thomas, Ed.D.
John Hawley, Ph.D.	Donald J. Tolle, Ed.D.
John E. King, Ph.D.	Assistant Professors Elwyn E. Zimmer-
William J. McKeefery, Ph.D.	man, Ph.D.
(Chairman)	

Course Descriptions

- 402-2 Principles of College Student Personnel Work. Survey of philosophy and principles of college student personnel activities. Required of resident fellows.
- 510-4 Higher Education in the United States.
- 512-4 Higher Education in Selected Nations.
- 513-4 Organization and Administration in Higher Education.
- 515-4 College Student Personnel Work: Operations and Policies.
- 516-4 College Student and College Culture.
- 518-4 College Teacher and College Teaching.
- 522-1 to 12 Readings in Higher Education.
- 523-1 to 12 Internship in Higher Education. (Selected areas.)
- 524-2 to 6 Individual Study.
- 535-2 to 28 Higher Education Seminar I.

- 545-3 to 15 Higher Education Seminar II.
- 551-4 Curriculum Design and Policy.
- 555-4 Philosophy of Higher Education.
- 565-4 The Community-Junior College.
- 578-4 Economic Aspects of Higher Education.
- 589-4 to 6 Advanced Research.
- 595-1 to 12 Higher Education Seminar III.
- 599-1 to 9 Thesis.
- 600-1 to 48 Dissertation.

History

- Research Professor* C. Harvey Gardiner, Ph.D.

Professors George W. Adams, Ph.D.
Harry Ammon, Ph.D.
Harold E. Briggs, Ph.D. (*Emeritus*)
George L. Cherry, Ph.D.
Betty Fladeland, Ph.D.
Ping-chia Kuo, Ph.D. (*Chairman*)

Associate Professors Howard W. Allen, Ph.D.
John Clifford, Ph.D.
David E. Conrad, Ph.D.
Robert L. Gold, Ph.D.
William A. Pitkin, Ph.D. (*Emeritus*)
Lonnie R. Shelby, Ph.D.
John Y. Simon, Ph.D.
Henry S. Vyverberg, Ph.D.
- John I. Wright, M.A. (*Emeritus*)

Assistant Professors Michael C. Batin-ski, Ph.D.
Charles W. Berberich, M.A.
Donald L. Brehm, Ph.D.
Montgomery G. Carrott, Ph.D.
Donald S. Detwiler, Ph.D.
Thadd E. Hall, Ph.D.
Harold A. McFarlin, Ph.D.
Reinhold C. Mueller, Ph.D.
James B. Murphy, Ph.D.
Eugene Trani, Ph.D.
David P. Werlich, Ph.D.
Stanley Zucker, Ph.D.

Instructor Edward J. O'Day, M.A.
Lecturer Clarence Hendershot, Ph.D.

A concentration in history consists of a minimum of forty-eight quarter hours, necessary for certification for secondary school teaching. Students who plan advanced study in preparation for college teaching or other professional careers are advised to take added work. No secondary concentration is required, though eighteen to twenty-four hours should be taken in related fields approved by the department. The department requires two years of study in a foreign language for candidates for the Bachelor of Arts degree.

Courses should be distributed over at least two fields of history (American, European, Latin-American, Asian, and African) and should include approximately the same number of 400-level as 300-level courses. Students who intend to concentrate in history should consult with the chairman or a designated member of the history faculty at the time of registration, in order to plan a course of study. When possible, transfer students should report to the department prior to their first quarter of attendance.

Students with exceptional scholarly promise may be invited into the departmental honors program, which begins with a colloquium in the junior year, and continues with an honors seminar and thesis prepared under the direction of a member of the department in the senior year. Graduation with honors is given to those who successfully complete the program.

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (Including GSD Mathematics) . . .	84
Foreign Language: GSD FL-9 and FL 201-9	18
<i>Requirements for Concentration in History</i>	34
GSB 101-8	(8)
GSB 300-9	(6) + 3
History electives	31-45

<i>Electives</i> (these may include 32 hours Education for teacher certification)	56
<i>Total</i>	192

Bachelor of Science Degree, COLLEGE OF EDUCATION

<i>General Studies Requirements</i> (Including GSB 201c)	84
<i>Requirements for Concentration in History</i>	43-44
Two years foreign language or mathematics .. (9-10) + 9-10	
GSB 101-8	(8)
GSB 300-9	(6) + 3
History electives, divided between American and other	
History	31
<i>Requirements in Education</i> (Guidance 305, SEd 310, 315 or 488, 352, and two electives)	31-32
<i>Electives</i>	32-34
<i>Total</i>	192

SECONDARY CONCENTRATION

A secondary concentration in history ordinarily consists of thirty hours, although the field course in social science, College of Education, requires only twenty-four hours. GSB 101b,c and GSB 300a,b,c are required for either program. The student should divide the remainder of his work between American and foreign fields, and take a reasonable portion of his elective courses at the 400 level.

Course Descriptions

- GSB 300-9 (3,3,3) History of the United States.**
303-3 The Great Depression in the U.S. Causes and effects of the great depression and of governmental measures for relief, recovery, and reform during the years 1929-41. Prerequisite: GSB 211a, or Economics 214 and 215, or consent of instructor.
304-9 (3,3,3) History of the Ancient World. (a) The Near East; (b) Greece; (c) Rome. May be taken individually or in any sequence.
308-3 History of Illinois. The history of the state from 1818 to the present. Recommended for students with a concentration in history and those who expect to teach in elementary schools.
309-4 The Negro in America. The role of the Negro in America from the seventeenth century to the present with emphasis on the period since 1865.
315-6 (3,3) Intellectual History of the Western World. (a) The ancient world. (b) The Middle Ages and Renaissance.
322-12 (4,4,4) English History. (a) Britain to 1603; (b) 1603-1815; (c) since 1815. May be taken individually or in any sequence.
330-3 The Revolution and the Constitution. A study of the conflicting forces which produced the American Revolution, led to the creation of the federal union and shaped the early republic.
332-9 (3,3,3) Medieval History. (a) Early Middle Ages, 500-1000, (b) High Middle Ages, 1000-1300, (c) Late Middle Ages, 1300-1500. Prerequisite: sophomore standing.
333-9 (3,3,3) Modern European History. (a) Early modern Europe. (b) The 18th and 19th centuries. (c) The 20th century.
349-9 (3,3,3) History of Africa. (a) Pre-colonial Africa. Sub-Saharan Africa from earliest times; early empires in East, Central, and West Africa; pre-colonial relationships with Europe and Asia; the slave trade. (b) Africa in the colonial period. Colonial empires in Africa; institutional changes brought by western rule; and nationalistic reaction. (c) Independent Africa. The emergence of modern African states and societies.
352-9 (3,3,3) History of Latin America. (a) Colonial Latin America; (b) 19th century. (c) 20th century. May be taken individually or in any sequence.

- 365-6 (3,3) History of Chinese Civilization.** The march of Chinese civilization from prehistoric times to the present stressing social structure, government institutions, and intellectual movements. (a) Antiquity to 1644; (b) 1644 to present. Offered alternate years with 367. Prerequisite: six hours of 300-level Social Science or consent of instructor.
- 367-6 (3,3) History of the Far East.** (a) Introduction to 1800; (b) 1800-1945. May be taken singly or in either sequence.
- GSB 369-3 The Contemporary Far East.**
- GSB 380-6 (3,3) East Europe.**
- 398-3 History Honors.** For junior honors students concentrating on methodology and directed research. Prerequisite: consent of department.
- 401-9 (3,3,3) History of the South.** Social, economic, political, and cultural developments of the South. (a) To 1850. (b) 1850-1900. (c) Since 1900.
- 403-6 (3,3) American Economic History.** (a) To 1800. (b) 1800-1900.
- 405-6 (3,3) United States History 1850-1896.** (a) Civil war. (b) Reconstruction and industrialization. Prerequisite: GSB 300b or consent of instructor.
- 406-6 (3,3) Diplomatic History of Europe.** (a) From the Congress of Vienna to the Fall of Bismarck (1815-1890). (b) From the background of the First World War to the present (since 1890).
- 409-9 (3,3,3) United States Constitutional History.** Origin and development of the American constitution, from English background through the convention to the present. (a) to 1830. (b) 1830-1912. (c) 1912 to present.
- 410-2 to 5 Special Readings in History.** Supervised readings for students with sufficient background. Registration by special permission only. Offered on demand.
- 411-9 (3,3,3) Social and Intellectual History of the United States.** (a) 1607-1830; (b) 1830-1900; (c) 1900 to present. The development of American society and a study of various types of economic, social, and political thought that have influenced it.
- 414-9 (3,3,3) Intellectual History of Modern Europe.** (a) The Enlightenment; (b) The 19th century; (c) The 20th century.
- 416-6 (3,3) Early Modern Europe.** (a) Renaissance. (b) Reformation. Prerequisite: six hours of 300-level social science or consent of instructor.
- 417-9 (3,3,3) Advanced English History.** (a) The Empire-Commonwealth; (b) Constitutional History; (c) English Culture in the Age of American Colonization.
- 419-6 (3,3) Europe in the Age of Absolutism.** (a) 1648-1715. (b) 1715-1789. Prerequisite: six hours of social science at 300 level or consent of instructor.
- 420-3 The French Revolution.** A sketch of the passing of feudalism in France, the background and development of the revolutionary movement, and the Napoleonic period.
- 425-6 (3,3) American Colonial History.** (a) Discovery and Settlement; (b) British Imperial structure-American independence.
- 428-3 The Age of Jackson.** Origins, background, and development of that phase of American democracy associated with the Jacksonian era. The political, social, and economic history of the years 1815-44.
- 430-9 (3,3,3) Late Modern Europe.** (a) Age of Revolution, 1815-1880; (b) 1880-1918; (c) Since 1918. Age of Dictatorships.
- 434-9 (3,3,3) The Social and Political History of Modern Europe.** (a) 1815-1870. (b) 1870-1914. (c) Since 1914. Prerequisite: six hours of 300-level social science or consent of instructor.
- 435-9 (3,3,3) Twentieth Century United States History.** Important developments. (a) 1896-1919. (b) 1919-1937. (c) 1937 to present. Prerequisite: GSB 300c and or consent of instructor.
- 440-9 (3,3,3) History of American Diplomacy.** A study of the important treaty relations of the United States and a general consideration of American foreign policies. (a) America in isolation (to 1860). (b) The emerging America (from 1860 to 1920). (c) America on the world scene (1920 to the present). Prerequisite: GSB 300a,b.
- 442-9 (3,3,3) History of the West.** (a) Colonial; (b) Trans-Allegheny; (c) Trans-Mississippi.
- 448-6 (3,3) History of Southeast Asia.** (a) To 1900. (b) 1900 to present.
- 449-6 (3,3) Advanced African History.** (a) Cultural history of traditional states, the slave trade, and the interaction of traditional systems and European culture. (b) Investigations into the most important historical questions and interpretations of the regions covered in (a). Prerequisite: 349a,b or c, or consent of instructor, or graduate standing.

- 451-3 Great Historians.** Writings of historians from Herodotus to Toynbee. Prerequisite: 6 hours of 300-level social science courses or consent of instructor.
- 452-3 Historical Research and Thesis Writing.** The rules of historical research studied and applied to a definite topic. (For concentrations in history only.)
- 455-3 History of Inner-Asian Relations.** Tribes, migrations, wars, and power politics in Central Asia and outlying areas of China from Han times through 19th century rivalries to latest developments along the Sino-Soviet frontier.
- 460-9 (3,3,3) Social and Intellectual History of the Middle Ages.** (a) 500-1000; (b) 1000-1250; (c) 1250-1500.
- 463-6 (3,3) History of France.** Social, economic, political, and intellectual evolution from medieval origins to the present day. French contributions to Western culture. (a) Middle Ages to Absolutism. (b) French Revolution to the Fifth Republic. Prerequisite: 6 hours 300-level social science courses or consent of department.
- 464-6 (3,3) History of Germany.** (a) German state and society from the Middle Ages to the early 19th century. (b) Germany since 1815. Prerequisite: six hours of 300-level social science or consent of instructor.
- 465-6 (3,3) History of Russia.** (a) Traditional Russia to 1905. (b) Revolutionary Russia since 1905. Prerequisite: GSB 101b,c or consent of instructor.
- 470-3 Argentina and Chile.** The independent era of the three leading states of South America. Prerequisite: six hours 300-level social science courses or consent of instructor.
- 471-6 (3,3) History of Mexico.** (a) 19th century; (b) 20th century. Significant political, economic, diplomatic, social, and cultural aspects of Mexican life from independence to modern Mexican life.
- 472-3 Colonial Latin America.** Policies and practices. Theory and operation of the colonial system. Prerequisite: 6 hours of 300-level social science courses or consent of instructor.
- 473-6 (3,3) The Caribbean Area.** (a) In the 18th and 19th centuries, (b) in the 20th century.
- 474-3 United States-Mexican Relations.** Relations between the United States and Mexico. Prerequisite: 6 hours of 300-level social science courses or consent of instructor.
- 475-6 (3,3) Dictatorships in Latin America.** (a) the 19th century; (b) the 20th century. A political, economic, social and military study of the domestic and international aspects of dictatorship. Prerequisite: Junior standing or higher.
- 476-3 Andean South America Since Independence.** A narrative and comparative study of Bolivia, Colombia, Ecuador, and Peru in the nineteenth and twentieth centuries. Prerequisite: 6 hours of 300 level social science or consent of department.
- 477-3 Brazil Since Independence.** Cultural, diplomatic, military, political, and socio-economic elements of Brazilian life from independence to the current era. Prerequisite: 6 hours of 300 level social science or consent of instructor.
- 478-6 (3,3) History of Spain.** (a) To 1700. (b) 1700 to present. Prerequisite: 6 hours of 300-level social science courses or consent of instructor.
- 481-6 (3,3) History of Rome.** (a) Rome from Republic to Empire, 133 B.C.-A.D. 14. (b) Roman Empire to the death of Constantine. Prerequisite: six hours of 300-level social science or consent of instructor.
- 482-6 (3,3) Cultural History of Greece.** (a) Hellenic civilization as reflected in its religious, historical, scientific, and philosophical thought, and in its literature and art. (b) The decline of the Greek city-states in the 4th century B.C., the Age of Alexander, and the political, social, economic, religious, and cultural developments of the Hellenistic period. Prerequisite: 6 hours of 300 level social science or consent of department.
- 498-6 (3,3) History Honors.** Study of the great ideas and works of history, for senior honors students and selected graduate students, and directed research for the honors thesis for senior honors students. (a) History honors. (b) Research, honors thesis. Prerequisite: consent of department.
- 500-12 to 30 (4 to 10 each) History Seminar.** (a) American history; (b) European history; (c) Latin American history.
- 509-4 Studies in Negro History.**
- 510-2 to 12 Readings in History.**
- 511-4 Studies in the Middle Ages.**
- 512-4 Studies in Modern Europe.**
- 514-4 Studies in Asian History.**

515-8 (4,4) Seminar in Twentieth Century United States History.
 516-8 to 16 (4,4) Seminar in European History.
 518-4 England in the Age of the "Glorious Revolution."
 519-8 (4,4) The Age of Jefferson.
 520-8 (4,4) Sectionalism and Reform.
 521-8 (4,4) Seminar in American Diplomatic History.
 522-8 (4,4) Seminar in American Economic History.
 523-8 (4,4) Seminar in American Social History.
 524-8 (4,4) Seminar in American Constitutional History.
 525-8 (4,4) Seminar in American Colonial History.
 553-4 New Viewpoints in American History.
 568-8 (4,4) Seminar in Illinois History.
 575-12 (4,4,4) Studies in Latin American History.
 598-3 (1,1,1) Teaching History in College.
 599-1 to 9 Thesis.
 600-1 to 48 Dissertation.

Home and Family

(See also *Home Economics*.)

Course Descriptions

500-4 Research Methods.
 540-4 Trends in Consumer Problems.
 550-4 Advanced Home Management.
 556-4 The Pre-School Child.
 562-4 Child Development Through Home and School.
 566-4 Interpersonal Relationships Within the Family.
 571-4 Recent Research.
 572-2 to 8 Special Problems.
 599-2 to 9 Thesis.
 600-3 to 48 Dissertation.

Home Economics

The School of Home Economics grants the Bachelor of Science degree in home economics. No secondary concentration is required. The following specializations are offered by the school and the departments indicated:

<i>Specialization</i>	<i>Department</i>
Apparel Design	Clothing and Textiles
Clothing and Textiles	Clothing and Textiles
Merchandising	
Consumer Services in Business	Family Economics and Management
Dietetics	Food and Nutrition
Family Services Consultant	Family Economics and Management
Food and Nutrition Science	Food and Nutrition
Foods in Business	Food and Nutrition
Extension	Home Economics Education
Institution Management	Food and Nutrition
Interior Design	Interior Design
Pre-School Program	Child and Family
Teaching Vocational Homemaking	Home Economics Education

The Home Economics Honors Program

An Honors Program in the School of Home Economics provides individualized programs for the student with high academic ability.

Selection depends upon (1) recommendations of the faculty members, (2) cumulative grade point average (4.00 is minimum, below 4.25 requires recommendation by the faculty and the Honors Council), (3) a personal

interview for measuring other desirable characteristics, and (4) percentile ranks on the University's entrance examinations.

In selecting freshmen for participation in informal group discussions prior to formal honors study, percentile ranks on the University's entrance examinations, high school records, recommendations from the high school faculty, and the personal interview will be utilized.

For admission into the formal program, the student may apply independently to the Honors Council or may be encouraged by any member of the faculty to apply on the basis of his records and staff recommendations.

*Bachelor of Science Degree, SCHOOL OF HOME ECONOMICS
Apparel Design*

These courses offer preparation for designing of apparel or allied positions in the wholesale and retail fashion fields through training in textiles, creative design, draping, pattern making, and clothing construction.

<i>General Studies Requirements</i> (Waive GSB-3.)	84
<i>Requirements for Concentration in Home Economics</i>	95-96
GSC 101, 102, 103	(6)
Art 100, 200b	16
Art 225a or Art History	3-4
Chemistry 110, 240	(4) + 4
Child and Family 227, 237	6
Clothing and Textiles 127-4, 233, 304, 329, 334, 339, 364, 371, 434, 473, 474, 433, 440, 481-3	52
Family Economics and Management 341	4
Food and Nutrition 100	3
Home Economics Education 111 or 306	2
Physiology 300 or elective	4
Physical Education 303 or elective	5
<i>Electives</i>	13-15
Accounting 250-4 or 251a-4; Design 100-5,5,5; Interior Design 327-3; Journalism 101-3, 260-4, 393-3; Marketing 301-4; Physical Education 113-1, Psychology 307-4; Theater 414-4, 415-4; VTID 175a-3.	
<i>Total</i>	192

* Students may request exemption from 127b.

Consumer Services in Business

These courses prepare those students interested in working in business for equipment manufacturers, utility companies or related business organizations in promotional or testing work.

<i>General Studies</i>	83
<i>Requirements for Concentration in Home Economics</i>	91
GSA 101a, 201a,b; GSB 211a,b; GSC 100 or 101, 102, 103	(29)
Chemistry 110, 240	(4) + 4
Child and Family 227, 237	6
Clothing and Textiles 127a,b, 304	8
Family Economics and Management 331, 323, 324, 332, 340, 342, 423 or 435, 424	27
Food and Nutrition 100, 256, 321, 335, 356	19
Interior Design 131, 300	5

Journalism 370	3
Marketing 301, 363, 401	12
Radio-TV 161, 467	7
<i>Electives</i>	18
Child and Family 345a,b, 366, 407, 471, 481; Cinema and Photography 260a,b,c; Clothing and Textiles 327, 329, 339, 440, 474, 481; Food and Nutrition 320, 360a,b, 421; Home Economics Education 111, 306; Instructional Materials 417; Journalism 297, 369, 393, 433; Radio-TV 251, 351, 377.	
<i>Total</i>	192

Dietetics

These courses give a strong scientific education to those interested in becoming dietitians in hospitals, college dormitories, industrial plants, health clinics, laboratories, or public health and welfare organizations. They meet the requirements of the American Dietetics Association.

<i>General Studies Requirements</i> (Waive GSB-3.)	84
<i>Requirements for Concentration in Home Economics</i>	81
GSA 101a, 301; GSB 102-8; 201b,c; GSC 100 or 101, 102, 103; GSD 107a,b	(41)
Accounting 250	4
Chemistry 110, 240, 350	(4) + 8
Child and Family 227, 237	6
Clothing and Textiles 127a	2
Family Economics and Management 331, 341	7
Food and Nutrition 100, 256, 320, 335, 356, 360a, 361, 362, 363, 390, 420	38
Guidance 305	4
Home Economics Education 307	3
Management 385	4
Microbiology 301	5
<i>Electives</i>	27
Recommended electives: Family Economics and Management 332; Food and Nutrition 321, 360b, 421, 490; Interior Design 131; Microbiology 422; Management 382.	
<i>Total</i>	192

Family Services Consultant

These courses are designed for those seeking employment with public and private social welfare agencies.

<i>General Studies</i> (Waive GSB-3.)	83-84
<i>Requirements for Concentration in Home Economics</i>	100-105
GSA 101a, 201a,b, 301, 302; GSB 102a,b, 201b,c; GSC 100 or 101, 102, 103	(48) + 1
Chemistry 110, 240	(4) + 4
Child and Family 227, 237, 345a, 345b, 336, 466 ...	16
Clothing and Textiles 127-4, 304	8
Family Economics and Management 266, 302, 323, 324, 331, 332, 340, 341, 407, 423 or 435, 471-4 to 6	33-37
Food and Nutrition 100, 256, 320, 335 or Health Education 330	15-16
Guidance 305	4

Home Economics Education 111 or 306, 309a	5	
Interior Design 131, 327	6	
Sociology 375, 383	8	
<i>Electives</i>		3-9
For career working with private or public social welfare agency: GSB 211a, 321, 325, 341; Government 438; Child and Family 456; Home Economics Education 309b; Instructional Materials 417; Psychology 301, 303, 304, 305, 307; Sociology 312, 373, 426, 481, 482.		
For working with senior citizens: GSB 321, 325; Government 438; Home and Family 427, 431; Instructional Materials 417; Psychology 304; Recreation 201, 202, 302, 310a,b,c,d; Sociology 312, 481.		
For working with Vista, Peace Corps, or other overseas agencies: GSB 211a, 321, 325; Anthropology 305, 306; Child and Family 456; Home Economics Education 309b; Instructional Materials 417; Psychology 301, 303, 304; Recreation 201, 202; Sociology 312, 426, 481.		
For working with business agency such as a bank or other credit or financing agency, trade association, or educational service: GSB 211a, 341; Government 438; Child and Family 456; Home Economics Education 309b; Instructional Materials 417; Psychology 303, 305, 307; Sociology 426.		
<i>Total</i>		192

Foods in Business

These courses are for students who desire to enter the business field as home service representatives for utility companies, as demonstrators for manufacturers, or for other educational, experimental, and promotional work with household equipment and foods.

<i>General Studies Requirements</i> (Waive GSB-3.)	84	
<i>Requirements for Concentration in Home Economics</i>	82	
GSA 101a, 301, 302; GSB 101a,b, 201b,c; GSC 100 or 101, 102, 103; GSD 107a,b	(44)	
Accounting 250	4	
Chemistry 110, 240, 350	(4) + 8	
Child and Family 227, 237	6	
Clothing and Textiles 127a	2	
English 390	3	
Family Economics and Management 324, 331, 332, 341 . .	14	
Food and Nutrition 100, 256, 320, 321, 335, 356	22	
Home Economics Education 306	2	
Management 385	4	
Marketing 301, 363	8	
Microbiology 301	5	
Radio-TV 161	4	
<i>Electives</i>		26
Recommended electives: Clothing and Textiles 127a, 304; Family Economics and Management 424; Food and Nutrition 371, 420; Journalism 331, 392.		
<i>Total</i>		192

Food and Nutrition Science

These courses give a strong scientific education to those interested in preparing for graduate study in food, nutrition or related discipline; for research in university, industrial or governmental laboratories; or for educational and promotional work in industry or public health organizations.

<i>General Studies Requirements</i> (Waive GSB-3.)	84
<i>Requirements for Concentration in Home Economics</i>	88
GSA 101a, 301, 313; GSB 102a,b, 201b,c; GSC 100 or 101, 102, 103; GSD 107-8	(44)
Anthropology 402	4
Chemistry 121a, 121b, 305a, 305b, 350	(4) + 19
Child and Family 227, 237	6
Clothing and Textiles 127a	2
Family Economics and Management 341	4
Food and Nutrition 100, 256, 320, 356, 360a, 390, 420, 421, 490	31
Guidance 305	4
Home Economics Education 306	2
Mathematics 111a, 111b, 410a	(8) + 6
Microbiology 301, 422	10
<i>Electives</i>	20
Recommended electives: Chemistry 230, 451a; Food and Nutrition 335; Home Economics Education 325; Family Economics and Management 331; Psychology 211a,b.	
<i>Total</i>	192

General Home Economics

These courses emphasize the personal development of the student and preparation to carry the responsibilities of homemaking and citizenship.

<i>General Studies Requirements</i> (Waive GSB-3.)	84
<i>Requirements for Concentration in Home Economics</i>	66
GSA 101a; GSB 101b,c; 201b,c; GSC 101, 102, 103; GSD 107-8	(29)
Chemistry 110, 240	(4) + 4
Clothing and Textiles 127, 131, 135, 233, 327	16
Food and Nutrition 100, 256, 320, 321, 335	18
Home and Family 227, 237, 323, 324, 331, 332, 341, 345b, 366	28
<i>Electives</i>	42
Recommended electives for a General Curriculum: Clothing and Textiles 231, 360; Health Education 310; Home Economics Education 111.	
Recommended electives for the Child Development Family Relations area: Guidance 412; Home and Family 345a, 407, 456, 466, 471; Psychology 301, 303, 304, 305; Sociology 340.	
Recommended electives for the Consumer Services area: Clothing and Textiles 300, 332, 339; Food and Nutrition 356; Home and Family 407, 424, 435, 471; Journalism 331, 360, 370, 391, 397; Radio-TV 161, 257.	
<i>Total</i>	192

Institution Management

These courses prepare students to fill positions as food service managers for residence halls, hotels, tearooms, school lunchrooms, and industrial or

commercial restaurants. They meet the requirements of the National Restaurant Association.

General Studies Requirements (Waive GSB-3.) 84

Requirements for a Concentration in Home Economics 86

 GSA 101a, 301; GSB 102a,b, 201b,c; GSC 100 or 101, 102,
 103; GSD 107a,b (41)

 Accounting 251a,b 8

 Chemistry 110, 240, 350 (4) + 8

 Child and Family 227, 237 6

 Clothing and Textiles 127a 2

 Family Economics and Management 331, 341 7

 Finance 371 4

 Food and Nutrition 100, 256, 320, 335, 360a, 360b, 361,
 362, 363 32

 Home Economics Education 306 2

 Management 382, 385 8

 Microbiology 301 5

 Psychology 320 4

Electives 22

 Recommended electives: Interior Design 131; Food and Nutrition
 321, 371, 390, 420; Family Economics and Management 332;
 Microbiology 422.

Total 192

Merchandising

These courses provide fundamental training for positions as salespeople, buyers, and department managers in department stores and other retail stores dealing with apparel and home furnishings. They include work in marketing, advertising, accounting, journalism, and merchandising, as well as clothing, textiles, and home furnishings. A period of field experience in the area of the student's special interest is provided.

General Studies Requirements (Waive GSB-3.) 83-84

Requirements for Concentration in Home Economics 89

 GSB 211a (4)

 Accounting 250 or 251a 4

 Chemistry 110, 240 (4) + 4

 Child and Family 227, 237 6

 Clothing and Textiles 127-4, 233, 304, 329, 334, 339,
 360 or 473, 364, 371, 434, 474, 440, 481-3 48

 Family Economics and Management 341 4

 Food and Nutrition 100 3

 Home Economics Education 111 or 306 2

 Interior Design 131, 327 or elective 6

 Marketing 301, 363, 401 12

Electives 19-20

 Art-History—choice 471, 474, or other; Guidance 305-4; Family
 Economics and Management 324, 331, 424; Journalism Public
 Relations 331; Management 271, 371; Publicity Methods 393;
 Weaving 385.

Total 192

Pre-School Programs

These courses offer basic background leading to positions as nursery school

director or teacher in private schools, colleges and universities and day care centers; child care specialists with social, public health and welfare agencies; agricultural extension specialist in child care and recreation leaders.

<i>General Studies Requirements</i> (Waive GSB-3.)	83-84
<i>Requirements for Concentration in Home Economics</i>	80-82
GSA 101a, 201a,b; GSB 102a,b, 201b,c, 341; GSC 100 or 101, 102, 103	(37) + 3
GSA 110a,b or Chemistry 110, 240	(4) + 4
Child and Family 227, 237, 337, 345a,b, 366, 445, 456, 466, 471	31-33
Clothing and Textiles 127a	2
Elementary Education 413	4
Family Economics and Management 331, 332, 341	11
Food and Nutrition 100	3
Guidance 305, 412	8
Home Economics Education 111 or 306	2
Interior Design 131	3
Psychology 301	3
Special Education 200, 414	2
<i>Electives</i>	26-29
GSA 321, 325; Clothing and Textiles 440; Home Economics Education 312, 325, 400; Home and Family 407, 481; Instructional Materials 405, 417; Psychology 305, 451; Recreation 201, 202, 310a,b,c,d; Special Education 410a,b,c; Theater 410.	
<i>Total</i>	192

Teaching Vocational Homemaking

These courses meet the needs of students desiring to teach home economics in school departments maintained according to the provisions of the federal vocational acts. A vocational home economics certificate requires a bachelor's degree in home economics from an institution and in a course of study approved for teacher training by the Vocational Division of the United States Office of Education and by the State Board for Vocational Education and Rehabilitation. Southern Illinois University is so approved for training home economics teachers.

<i>General Studies Requirements</i> (Waive GSB-3.)	83-84
<i>Requirements for Concentration in Home Economics</i>	108-109
GSA 101a, 201a,b; GSB 102a,b, 201b,c, 211a,b, GSC 101, 102, 103	(33) + 8
Chemistry 110, 240	(4) + 4
Child and Family 227, 237, 345b	9
Clothing and Textiles 127-4, 233, 304	11
Family Economics and Management 323, 324, 331, 332, 341	16
Food and Nutrition 100, 256, 320, 335	15
Guidance 305	4
Home Economics Education 111, 309a,b, 310	12
Interior Design 131, 327	6
Secondary Education 310, 352b	16
Elective in Home Economics	3-4
(select from Child and Family 366, Clothing and	

Textiles 360, Food and Nutrition 321 or advanced home economics course)	
Elective in Education	4
(select from Education Administration 355, Guidance 422, Instructional Materials 417, Secondary Education 407, or Secondary Education 440)	
Electives	0-1
Total	192

Extension

These courses prepare students for positions as Home Advisers, 4-H Club Agents or Advisers, and, with further training, extension specialists.

General Studies Requirements (Waive GSB-3.) 83-84

Requirements for Concentration in Home Economics 100

GSA 101a, 201a,b; GSB 102a,b, 201b,c, 211a,b; GSC 101, 102, 103	(33) + 8
Chemistry 110, 240	(4) + 4
Child and Family 227, 237, 345b	9
Clothing and Textiles 127b-4, 233, 304	11
Family Economics and Management 323, 324, 331, 332, 341	16
Food and Nutrition 100, 256, 320, 321, 335	18
Guidance 305	4
Home Economics Education 111, 370, 371	13
Interior Design 131, 327	6
Journalism 393	3
Radio-TV 161	4
Elective—advanced course in Home Economics	4
Electives	8-9
Total	192

Course Descriptions

The Home Economics Honors courses are listed below. In each course, the subject matter depends upon the needs and interests of the students.

- 305-2 to 6 Home Economics Honors Seminar.
- 306-2 to 6 Home Economics Honors Seminar.
- 387-2 to 8 Special Problems—Honors.
- 388-2 to 8 Research and Investigations—Honors.

Home Economics Education

(See also Home Economics.)

Professor Anna Carol Fults, Ph.D. Instructors Phyllis Bubnas, M.S.
(Chairman) Edna J. Eddleman, M.S.
Assistant Professor Dorothy Keenan, Violet Moore, M.S.
D.Ed.

Course Descriptions

- 111-2 Home Economics Orientation. Surveying professional opportunities in home economics; planning for the development of personal and professional proficiencies.
- 306-2 Seminar and Readings in Home Economics Education. A philosophical approach to the field of home economics. Social, psychological, anthropological, economic considerations as held by home economists and others in relation to

the professions in the field of home economics and for homemaking in a democratic society. Offered alternate years.

307-3 Methods of Teaching for Dietetics Majors. Designed as preparation for the teaching role of the dietitian. Selection and organization of materials. Practice in using a variety of techniques and teaching aids. Offered alternate years.

309a-3 Program Planning in Home Economics. Philosophy; the total vocational program in home economics education; developing files. Student should register for 313-1 concurrently or prior to 309 for the pre-student teaching and September Field Experience. Prerequisite or concurrently Guidance 305; Secondary Education 310.

309b-3 Methods of Teaching in Home Economics. Curriculum, unit and lesson planning, methods, techniques, and teaching aids; completing files. Prerequisite: 309a. To be taken the quarter preceding student teaching.

310-4 Evaluation and Adult Education. Using and developing instruments for evaluation with respect to goals of a family-community centered homemaking program and preparing students to carry on adult education. Prerequisites: 309 and Secondary Education 352b concurrently.

313-2 to 4 Special Problems. For students recommended by the chairman of their department and the instructor in charge for independent, directed study.

370-5 History, Development, and Principles of Extension Work. A study of the history, development, organization, and purposes of extension work. Discussion of problems and principles of conducting and administering extension work in home economics. Field trips. Offered alternate years.

371-6 Field Experience. Six weeks of observing and assisting a county home adviser. Opportunity for supervised learning experiences in various phases of extension work. Prerequisite: 370.

414-4 Home Economics for Elementary Teachers. Units of work in nutrition, school lunches, family and social relationships, textiles, and clothing.

415-1 Introduction to Graduate Study. Seminar to orient the student to graduate work through relation of courses to goals of program, standards of work, habits of thinking, communication of ideas, uses of professional materials and publications. Required. Students should take at first opportunity.

481-2 to 6 Readings. Supervised readings for qualified students. Prerequisite: consent of instructor and chairman of department.

500-4 Research Methods.

505-4 Home Economics in Secondary Schools.

506-4 Evaluative Procedures in Home Economics.

507-2 to 8 Workshop.

510-4 Supervision of Home Economics.

510a-1 to 4 Practicum in Supervision.

515-4 Trends and Issues.

516-4 Advanced Methods of Teaching Home Economics.

517-4 Methods and Materials for Adult Programs in Home Economics.

571-4 Recent Research.

572-2 to 8 Special Problems.

573-1 to 6 Seminar: Research in Home Economics.

599-2 to 9 Thesis.

600-3 to 48 Dissertation.

Industrial Technology

(See also *Technology, School of.*)

Course Descriptions

100-0 Orientation. (See Engineering Technology 100.)

259-3 to 80 Occupation Credit. For occupational credit earned at junior colleges or technical institutes when credit is to be granted by departmental evaluation.

300-8 (4,4) Plastic Process. (a) Polymeric synthesis systems of manufacturing plastic materials and of the properties of plastics. Includes design analysis of commercial plastic products. (b) Study of thermosetting plastics as to composition, properties, and methods of manufacture. Includes commercial applications for tooling and consumer products and design with all kinds of plastics. Lecture, laboratory. Prerequisite: GSA 101b.

302-3 Non-Metallic Processes. Non-metallic and non-plastic processes such as paper, wood, glass, rubber, textiles.

304-9 (3,3,3) Architectural Design. (a) Basic room planning, analysis of family needs, utilization of building sites, and developing preliminary plans; (b) Preparation of house plans, including elevations, details, plot plans, and service plans; (c) Advanced residential planning and designing; standards, codes, specifications, and research. Laboratory. Must be taken in a,b,c sequence. Prerequisite: high school drafting.

305-9 Design Illustration. (a) Axonometric projection and rendering. (b) Perspective projections and rendering. (c) Color and rendering. Lecture, laboratory. Prerequisite: 305 and Engineering Technology 102b.

306-9 Industrial Design. (a) Aesthetic design principles. (b) Human factors in design. (c) Environmental factors in design. Lecture, laboratory. Prerequisite: 305a,b.

307-5 Analytical Problems in Technology. Methods of formulation and solution of special problems encountered in industry and technology using advanced techniques. Prerequisites: Mathematics 111a,b or equivalent.

317-5 Casting and Metal Forming Process. Analysis of metal casting processes, testing instruments, and production equipment. Analysis of metal forming techniques and the newer techniques of explosive, electro-discharge, and ultrasonic forming. Powder metallurgy. Lecture, laboratory. Prerequisite: Mathematics 111a.

318-3 Materials Joining. Welding processes including design, strength, and production equipment, and other metal joining techniques such as metal fasteners, adhesive bonding, brazing, and soldering. Lecture, laboratory.

319-3 to 24 (3 per quarter) Industrial Internship. Industrial experience includes job skills, manufacturing processes, technical information, and labor-management relationships with supervised instruction, conferences and examinations. Prerequisite: consent of instructor.

325-5 Metal Removal Processes. Metal removal theory, cutting economics, and properties of cutting materials. Conventional production equipment and newer techniques; chemical, electro-discharge, and ultrasonic. Lecture, laboratory. Prerequisite: Mathematics 111a.

335-3 Metallurgy and Heat Treatment. Analysis of metal structures and principles of heat treatment. Lecture, laboratory. Prerequisite: Mathematics 111a.

340-3 Automatic Process Control. Principles of numerical control process and introduction to numerical control programming. Lecture, laboratory. Prerequisite: 325a and Electronics Technology 102a.

341-3 Maintenance. Preventive maintenance procedures, maintenance shop organization, and equipment maintenance problems.

342-3 Industrial Finishes. Analysis of methods and equipment of industrial finishing processes including electrostatics, enameling, anodizing, and other protective and decorative coatings.

343-6 (3,3) Electricity Electronics. (a) Introduction to electricity and electronics. (b) Introduction to vacuum tube and solid state circuits with application to processes. Must be taken in a,b sequence. Prerequisite: Mathematics 111b.

351-3 Product Control. Control of size and geometric specifications. Emphasis on comparative gauges, work holding devices, and tolerance charts. Prerequisite: 325.

358-5 Materials Handling and Plant Layout. Methods and equipment. Plant layout methods and techniques. Prerequisite: 325 and 317.

362-3 Industrial Packaging. Analysis of packing principles, equipment, and processes.

365-4 Quality Control. Analysis of control charts, military sampling procedures, and inspection systems. Prerequisite: junior standing.

375-4 Production and Inventory Control. Production and inventory control systems with emphasis on cost analysis. Prerequisite: junior standing.

Instructional Materials

Professors Ralph E. McCoy, Ph.D.
(Acting Chairman)

Paul R. Wendt, Ph.D.

Associate Professor Gordon K. Butts,
Ed.D.

Assistant Professors Kathleen G. Fletcher, M.S.

Donald A. Ingli, Ph.D.

Carl Planinc, Ed.D.

Paul A. Scholl, Ed.D.

Seth J. Edwards, Ph.D.

Donald Winsor, Ed.D.

Instructors Dorothy Cox, M.A.

Courses in the utilization and administration of teaching materials are designed to train both audio-visual coordinators and librarians to become fully qualified instructional materials specialists who can administer all teaching materials.

Secondary Concentration

Persons trained primarily as teachers may qualify for part-time professional service in a school library by completing 28 hours of work in approved courses which are 308, 403, 405, 406, 407, 417, and 420.

Course Descriptions

308-4 Introduction to Cataloging. Organization of library materials for effective service. Acquisition, classification, cataloging, preparation, preservation, and circulation. Laboratory assignments.

400-2 Library Research Methods. Introduction to the use of library materials in graduate research. Includes a survey of scholarly publishing and the use of reference works in various subjects.

403-4 School Library Functions and Management. Effective library services in relation to the educational objectives of elementary and secondary school programs: organization, supervision, finance, housing, equipment, standards, and evaluation.

405-4 Library Materials for Children. Study of the aids, methods, and criteria for the selection and use of books and other instructional materials for children in the elementary schools. Open to juniors with consent of instructor.

406-4 Library Materials for Adolescents. A study of the aids, methods, and criteria for the selection and use of books and other instructional materials for students in the high school. Open to juniors with consent of instructor.

407-4 Basic Reference Sources. Evaluation, selection, and use of reference sources for elementary and secondary school libraries. Principles and methods of reference service.

410-4 Public Library Administration. The administration of municipal, county, and regional libraries, both large and small, with emphasis on meeting the needs of different types of communities.

413-4 Cataloging of NonBook Materials. The classification, cataloging, preparation and circulation of all types of nonbook materials such as films, filmstrips, slides, realia, etc. Prerequisite: 308.

417-4 Audio-Visual Methods in Education. Selection and utilization of instructional materials in the learning environment, elementary through adult levels. Audio and visual materials and procedures are emphasized with some attention given to bibliographies and reference books for teachers.

420-4 School Library Activities and Practice. Supervised practice and observation integrated with instruction in the typical activities of school librarianship: storytelling, publicity, developing units of library instruction, and work with students. Prerequisites: 308, 403, 405, or 406, 407.

440-2 Photography for Teachers. Techniques of picture-taking and the preparation of color slides of community resources for use in classroom instruction and for school public relations.

445-4 Preparation of Teacher-Made Audio-Visual Materials. Laboratory practice in the preparation of bulletin boards, opaque materials, models, slides, recordings, feltboards, and other graphic materials. Prerequisite: 417 or consent of instructor.

448-4 Supervision and Administration of an Audio-Visual Program. Provides professional information and training for anyone who has administrative responsibilities for an audio-visual program. For teachers, coordinators, or directors. Prerequisite: 417 or consent of instructor.

450-4 Classroom Teaching with Television. Classroom utilization of open and closed circuit television. Emphasis is placed on the changed role of the classroom teacher who uses television. Evaluation of programming, technicalities of ETV, and definition of responsibilities are included. Demonstration and a tour of production facilities are provided.

457-4 Radio and Television in the Classroom. Educational programs and their value to the teacher in the classroom. Sample tapes of radio programs and kinescopes are used.

458-4 The Medium of the Motion Picture. A study of the full range of expression by motion pictures including the documentary, theatrical, educa-

- tional, experimental, and industrial films. Representative films are screened.
- 470-4 Program Automated Instruction. The principles and practices of writing both linear and intrinsic types of programmed instruction with emphasis on pictorial and performance branches. Individual experience in planning and producing programs.
- 505-3 Literature of the Humanities.
- 506-3 Literature of the Social Sciences.
- 510-4 Mass Communications in Education.
- 514-4 Survey of Research and Development in Instructional Materials.
- 523-4 Seminar on Junior College Librarianship.
- 530-4 History of Books and Libraries.
- 546-4 Integration of Audio-Visual Materials in the Classroom.
- 547-4 School Film and Filmstrip Production.
- 549-4 Visual Learning.
- 554-4 Administration of an Instructional Materials Center.
- 560-4 Seminar in Instructional Materials.
- 576-2 to 8 Problems in Instructional Materials.
- 599-5 to 9 Thesis.
- 600-1 to 48 Dissertation.

Inter-American Studies

The Inter-American Studies program, under the direction of the Latin American Institute, was initiated in 1958 to meet the ever-increasing demand for personnel qualified to deal with questions related to Mexico and the countries in Central America, the Caribbean, and South America. Government, business, and other interests require the services of individuals who have a general comprehension of the problems and potentialities of the area, plus the necessary language skills to make possible graduates' highest-level performance in the field. Thus, the course of studies for this program is necessarily interdisciplinary. The student is given a firm general background in the history, geography, economics, anthropology, language, and literature of the English, Portuguese, and Spanish speaking countries in the New World. Further, special emphasis is placed upon the students' acquiring a working knowledge of Spanish and Portuguese. This level of linguistic skill is essential to permit a clear understanding of Latin Americans of all levels and backgrounds and as an indispensable skill or tool for anyone who intends to work in any professional capacity in Latin America regardless of an individual's specialized field of interest in business, government, agriculture, teaching, research, etc.

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

General Studies Requirements (Waive GSC-3. Includes GSD 107-8)	83
Supplementary Two-Year College Requirement in FL/Mathematics	
Foreign Language: GSD 140-9; 201-9	(18)
Requirements for Concentration in Inter-American Studies	92
GSB 303, 392	(6)
GSD FL	9
GSD 135-9, Portuguese	9
Anthropology 305a, 306a	6
Economics 419, 429	8
Foreign Languages: Spanish 201-9, 220-6, 320-6, 333-9	30
Geography 467	7
Government 450, 459	6
History 352a,b, and 3 hours chosen from 352c, 471, 473	9
Philosophy 340; 477 or 478	8
Electives	17
Total	192

Students coming to Southern Illinois University without any foreign language must take GSD 140-9 and Spanish 140 as prerequisites to the specified courses in the language. If their special interests demand, they should expect also to take such additional courses as desired in psychology, sociology, economics, or business administration.

Interior Design

Associate Professor Walter Moran, *Instructor* Nancy D. Greene, M.S.
M.S. (Chairman) Lucy Stewart, M.S.

These courses prepare students for positions on interior designing staffs of department stores, in consultant capacities in allied fields, and in establishing an interior designing business. They meet the educational requirements for membership in the American Institute of Interior Designers.

<i>General Studies Requirements</i> (Waive GSB-3.)	83-84
<i>Requirements for Concentration in Home Economics</i>	97
GSC 340, 341, 342	(6) + 3
Architectural Drafting 110a,b, 121b, 146b, 150, 151, 250a	26
Art 100	4
Child and Family 227, 237	6
Clothing and Textiles 104	3
Family Economics and Management 341	4
Interior Design 231a,b, 300, 331, 380, 381, 389, 390, 391a,b,c, 394, 491	51
<i>Electives</i>	9-11
Accounting 250; Art 385; Art History—choice; Family Economics and Management 331; Guidance 305; Interior Design 371; Industrial Technology 316a; Journalism 331, 370, 393; Management 271, 371; Photography 260.	
<i>Total</i>	192

Course Descriptions

131-3 Introduction to Design. Analysis of the visual environment, principles and elements of design. Laboratory. Not open to interior design majors.

231-6 (3,3) Basic Interior Design. Design principles and elements applied to two- and three-dimensional space problems. Open to interior design majors only.

300-2 to 4 Display and Exhibition Design. Application of design principles and the use of graphics. Two- and three-dimensional display and exhibit design problems. Laboratory problems. Emphasis on model-making techniques. Prerequisite: 131 or 231.

327-3 Home Furnishings and Interiors. Principles and elements of design related to selection and arrangement of furniture and the use of fabrics, accessories, and other media utilized in furnishing homes and their interiors. Prerequisite: 131, or equivalent, or consent of instructor.

331-3 Textile Design. Laboratory experiences in applying the principles and elements of design to textiles. Linoleum block printing, silk screen printing, contemporary embroidery, batik, tie-dye, and other techniques. Prerequisite: 231a, or equivalent, or consent of instructor.

371-6 Field Experience. Supervised learning experience with a firm. Summer quarter only. Open to interior design majors within three quarters of graduation.

380-4 History of Interior Design Through the 19th Century. Furnishings and interiors from antiquity to the late 19th century. Prerequisites: 110b and 231a,b or consent of instructor.

381-4 20th Century Interior Design. Furnishings and interiors from the late

19th century to the present. Prerequisites: 110b and 231a,b or consent of instructor.

389-4 Furniture Design. Anthropometrics and systems analysis in the design of several original furniture pieces. Emphasis on production of construction drawings and model-making techniques. Prerequisite: 381 or consent of instructor.

390-5 Interior Design. Design residential and commercial interior space. Includes designing for individual and small group activities such as a typical office task, residential group conversation, televiewing, dining, and food preparation. Prerequisites: 110a or equivalent. May be taken concurrently.

391-15 (5,5,5) Intermediate Interior Design. Analysis and design of interior space. (a) Residential interiors, complete design and specifications for large and small-scale housing, based upon family needs. (b) Commercial interiors such as restaurants, hotels, and motels. (c) Commercial interiors, large and small scale office and transportation facilities. Must be taken in a,b,c sequence. Prerequisite: 390.

394-4 Professional Practice. Techniques and methods of an interior design business. Includes contract specifications, customer relations, professional ethics. Prerequisite: 391c, or consent of instructor.

396-2 to 5 Special Problems. Directed independent work and study in areas determined by the students interests and needs. Prerequisite: consent of instructor.

491-4 Advanced Interior Design. Systematic analysis of human factors as determinants of design solutions for large-scale interiors. Prerequisite: consent of instructor.

Journalism

Professors Charles C. Clayton, B.J.	Ph.D.
James L. C. Ford, Ph.D.	C. Richard Gruny, LL.B.
Howard R. Long, Ph.D. (Chairman)	William H. Lyons, M.A.
Ralph E. McCoy, Ph.D.	John Matheson, Ph.D.
Willis Moore, Ph.D.	William Manion Rice, M.A.
Bryce W. Rucker, Ph.D.	Instructor Clifton O. Lawhorne, Ph.D.
Associate Professors Jim A. Hart, Ph.D.	Lecturers William M. Epperheimer,
Donald G. Hileman, Ph.D.	B.S.
Assistant Professors L. Erwin Atwood,	Mary K. Frazer, M.S.

Journalism courses are designed to give thorough professional training in both theory and practice in a number of fields of journalism. The areas include daily and weekly newspapers, advertising, periodicals, radio and television news, education, free lance writing, industrial publications, news agencies, public relations, and research. In addition to courses, professional conferences, field trips, aid to high school newspapers and year-books are offered.

Bachelor of Science Degree, SCHOOL OF COMMUNICATIONS

Journalism students must demonstrate a working knowledge of typewriting based upon a minimum straight copy rate of thirty words per minute. This proficiency must be demonstrated by the end of the junior year. Secretarial and Business Education 201a for no academic credit is an acceptable substitute for the proficiency examination.

Subject to the approval of the department chairman, undergraduate students may receive as much as 12 hours of journalism credit toward their degree for work not taken in residence on the Carbondale campus.

With the exception of Journalism 345, 346, and 370, admission to all Journalism courses must be approved by the chairman or his representative.

General Studies Requirements (Waive GSB-3.)	84
Requirements for Concentration in Journalism	48
Journalism 345, 346, 203, 301, 302, 370, 383-6, 399	25

One of the five specializations below	15-18
Advertising: 371, 372, 373, 374, 376	18
Community Newspaper: 303, 330, 350, 351, 371, 442 ..	18
Magazine: 303, 369, 397, 398, 442	15
News and Editorial: 303, 330, 390, 391, 442	15
Radio and Television: 303, 310, 442, R-T 161, 251 ...	16
Journalism electives to complete 48 hours	5-9
<i>Electives</i>	60
At least 40 hours of upper class course work in the departments of Anthropology, English, Economics, Foreign Languages, Government, History, Philosophy, Psychology, Sociology, or other areas as approved by the chairman. Exceptions may be made to meet the requirements of students preparing to teach high school journalism.	
<i>Total</i>	192

Bachelor of Science Degree, COLLEGE OF EDUCATION

Requirements for Concentration in Journalism:

Journalism 101, 102, 103, 201, 202, 303, 390, 421, 422	28
Recommended electives are Journalism 214, 260a, 370, 391.	

Secondary Concentration

The 24-hour concentration in journalism consists of English 300, 392, and an elective in journalism.

Course Descriptions

- 100-1 to 6 (1,1,1,1,1) Current Events.** Contemporary events and their treatment in the newspaper and periodical press. May not be counted toward the journalism concentration. Any combination of 100 and GSB 310 may be taken for a total of six hours credit. Prerequisite: 101 and 102, or 345 and 346.
- 203-3 News.** Study of the newspaper story with experience in writing and rewriting news; the fundamentals of copyreading.
- 301-3, 302-3, 303-3 News Writing and Editing I, II, III.** How to cover assignments and write news stories; preparation of copy for publication; writing headlines; laboratory exercises. Must be taken in I, II, III sequence. Prerequisite: 203.
- ing headlines; laboratory exercises.**
- 310-3 Radio-TV News.** (See Radio-Television 310.)
- 330-3 Editorial Writing.** The work and responsibility of the editor and editorial writer with emphasis upon editorial writing and thinking. Editorial problems, methods, policies, and style. Prerequisite: 303.
- 345-3 History of Journalism.** Development of American journalism with emphasis upon the struggle for freedom of the press, leading editors, outstanding newspapers and periodicals.
- 346-3 Comparative Journalism.** Analysis of editorial and management policies and methods of American newspapers, with particular reference to economic and social factors affecting them.
- 350-3 The Community Newspaper.** The small newspaper recognized as a distinct medium, performing a specialized function for its readers. Equal weight given to the problem of news presentation and to leadership with careful examination of news and editorial policies of representative newspapers.
- 351-3 Community Newspaper Management.** Organization, operation, and policy of the revenue departments of the weekly and small daily newspapers with special attention to the circulation procedures, retail, general, and classified advertising problems, and other phases of management. Prerequisite: 351.
- 369-3 Magazine Writing.** The writing of magazine articles by the free-lancer and staff member. Prerequisites: 203, 301, 302.
- 370-3 Principles of Advertising.** Advertising fundamentals in relation to

modern business activities; economic and social aspects, research, media, appeals, production, schedules. Prerequisite: 101 and 102 or 345, 346.

371-3 Advertising Salesmanship. Practical application of the principles of advertising copy and layout as related to the mechanics and psychology of space selling. Students engage in daily work with newspaper advertisers, handling specific assignments in various lines of business. Prerequisite: 370.

372-5 Advertising Copy, Layout, and Production. The principles and practices in the preparation of copy and layout for all types and forms of advertising, as well as study of the processes involved in the production of advertising. Prerequisite: 370.

373-3 Advertising Media and Markets. Manufacturers' advertising procedures related to campaigns, markets and market research, media, and organization of the advertising function. Prerequisite: 370.

374-3 Advertising Policies and Problems. Application of advertising principles to merchandising, sales, promotion, research. Prerequisite: consent of department.

376-4 Advertising Campaigns. Application of advertising principles and skills to the solution of a specific problem; coordination of strategy and technique. Prerequisite: consent of department.

382-3 Newspaper Promotion and Circulation. Prerequisite: senior standing.

383-6 (3,3) Newspaper Production Management. (a) Photography and typography in publications. Photography and printing processes, analysis of photographs, writing cutlines, preparation of picture pages, cropping and scaling. (b) Newspapers, including copy-fitting, head schedules, and the organization of newspaper production. Taken in a,b sequence. Prerequisite: 203.

385-1 to 2 Radio-TV Special Events. Prerequisite: 310.

389-3 Basic Research in Journalism. Introduction to the language of communication research and the relationship of research to the practice of journalism. Includes a survey of frequently used research techniques and an examination of current research reports. Prerequisite: senior standing.

390-3 Advanced Reporting. Covering city council meetings, courthouse, city hall, courts, society, and other special assignments. Prerequisite: 303.

391-3 Feature Writing. How to plan and write newspaper features and special articles. Prerequisite: 303.

393-3 Publicity Methods. Not open to students with concentration in journalism. Designed for students who do not plan a career in writing, but desire guidance and practice in writing for newspapers and magazines about their fields of specialization.

395-3 Introduction to Mass Communication Theory. Acquaints the student with current concepts in mass communication theory and empirical evidence derived from investigations generated by the theory. Contains three areas: the communication process, social and psychological effects on the new process, and mass communication and political behavior. Prerequisite: senior standing.

397-3 Special Publications. The function and operation of industrial, trade, and business publications. Relationships of management and personnel through the editorial policies and practices of such special publications. Prerequisite: 369.

398-3 Magazine Production and Layout. The editorial and production functions of the magazine. Application of the principles of article layout and makeup to editorial content. Printing production. Prerequisite: 383.

399-1 Senior Seminar. Contemporary newspaper policies as related to professional journalism. Prerequisite: last quarter majors.

401-3 International Journalism. A study of the history, development, current status and implications of the press and news services of other countries, and their relationship to the international communications system. Prerequisite: senior standing.

their relationship to the international communications system.

421-4 School Publications. Designed for the prospective journalism teacher or high school publication director. Deals with practical production problems of newspapers and yearbooks.

422-3 Teaching High School Journalism. Teaching methods of journalism in secondary schools, organization and course of study, bibliography, use of journalism courses for school publications production.

431-3 Public Relations. Study of current methods of planning and executing public relations policies; evaluation of media; preparation of campaigns. Prerequisite: senior journalism majors only.

432-3 Foundations of Mass Communications Theory. Construction of communication theory, development of communication models, and relation of empirical investigations to theories of mass communication. Prerequisite: undergraduates 395, graduates 433a or consent of instructor.

433-6 (3,3) Research Theory and Design. (a) Research design, sample selection, and methods appropriate to field, experimental, and survey research. (b) Research Methods. Series of research projects utilizing a variety of research methods. Class discussion precedes and follows each project. Prerequisite for 433b: 432.

442-3 The Law of Journalism. Legal limitations and privileges affecting publishing, fair comment, criticism, contempt of court, right of privacy, copyright, and legal provisions affecting advertising. Prerequisite: senior journalism majors only.

445-4 Specialized Writing. Researching and writing about areas of special interest such as education, mental health, and home economics. Prerequisite: consent of instructor.

449-2 to 8 Practicum. Study, observation, and participation in publication supervision. Work required on *The Egyptian* newspaper. Prerequisite: consent of department.

479-3 Role of Advertising in our Society. An exhaustive analysis of the literature covering such topics as: definitions and scope of advertising; advertising and the press; advertising as a social and economic force; evaluation of advertising, policies as related to the practices of specific business firms.

493-3 Publicity Methods II.

495-3 Book Reviewing. Theory and practice in reviewing modern books; study of newspapers and magazines devoted entirely or in part to this type of journalism. Prerequisite: consent of department.

498-1 to 12 Readings. Supervised readings. Not more than 6 hours may apply toward the master's degree. Prerequisite: consent of instructor.

501-3 Literature of Journalism.

530-2 Seminar in Press Freedom.

531-3 Seminar: Public Relations.

532-4 Seminar: Mass Communication Theory.

533-1 to 4 Research Problems in Journalism.

540-3 Philosophy of Journalism.

545-3 Studies in Journalism History.

590-3 Seminar in Journalism History.

595-0 Graduate Seminar.

598-1 to 12 Readings.

599-1 to 8 Thesis.

600-1 to 48 Dissertation.

Liberal Arts and Sciences

Course Descriptions

259-3 to 80 Transfer Credit. For transfer of elective credits in Liberal Arts and Sciences subjects when credit is to be established by department evaluation. Prerequisite: junior standing.

300-1 to 4 Individual Interdisciplinary Readings. Advance support and approval of at least two faculty sponsors from different departments and the approval of the dean are required for enrollment in this course.

301-1 to 4 Individual Interdisciplinary Research. Advance support and approval of at least two faculty sponsors from different departments and the approval of the dean are required for enrollment in this course.

302-1 to 4 Individual Interdisciplinary Field Study. Advance support and approval of at least two faculty sponsors from different departments and the approval of the dean are required for enrollment in this course.

Linguistics

Secondary Concentration

The secondary concentration in linguistics (a minimum of 28 hours), draws on the offerings of a number of departments. It introduces the student to the structure of language, the historical development of languages, and the relation of language to the rest of the culture.

Required Core Courses	19
Anthropology 413	3
English 400, 405a, b, 407a	16
Electives	9 to 11
Anthropology 401, 418	6
English 300a, b, 407b, 403	14
French 352	3
GSC 363a, b	6
German 413a, b	6
Mathematics 426a, b	6
Philosophy 320, 420	8
Romance Philology 410	4
Spanish 415	3
Total	28

The elective courses for the minor must be worked out with an adviser and the director of the MAEFL/Linguistics programs in the Department of English.

Management

Professors Henry J. Rehn, Ph.D.	Assistant Professors R. Ralph Bedwell,
R. E. Schellenberger, Ph.D. (Chair-	M.S.
man)	James G. Hunt, Ph.D.
John W. Scott, Ph.D. (Emeritus)	Stuart Alden Taylor, D.B.A.
William C. Westberg, Ph.D.	Instructors David N. Bateman, M.A.
Associate Professors John M. Fohr,	Bud D. Cross, M.S.
Ed.D.	George A. Flummer, M.S.
Floyd A. Patrick, Ph.D.	

Management is the activity which provides organizational direction. The resources which are directed are human or physical. The Management program provides an understanding of the factors necessary for effective management and some managerial skills. The list of required courses reflects the philosophy that a major in management needs a balanced program of liberal and professional education. The specialization courses should be taken only after consulting with a faculty member in Management.

Bachelor of Science Degree, SCHOOL OF BUSINESS

General Studies Requirements (Waive GSB-3.)	85
Professional Business Core	52
Mathematics 111a, 111b, GSB 201b, 201c	(18)
GSD 110, and Mathematics 150a	8
Accounting 251a,b; 261	12
Economics 214, 215, and 308 or 408	12
Finance 320, and 371 or 473	8
Management 340, 481	8
Marketing 301	4
Requirements for Concentration in Management	35-36
Uniform Department Core: Management 345 or Account-	
ing 315, Management 361 or Marketing 390, Manage-	
ment 341, Management 479, or Economics 440, Manage-	
ment 385, 452, 474	28
Specialization (One from below)	
Management Science—Management Systems:	

Two courses from the following: (7–8) Management 380; Management 382; 483; Management 350; or one from the preceding and one from the following: Engineering 422; APS 422; Accounting 475

Behavioral Science—Personnel Management:

Two courses from the following: (8) Management 431 or 382 or 485; Economics 310 or 411 or Management 480; or one from the preceding and one from the following: Psychology 320 or 465; Sociology 301; Sociology 332 or 338 or 438

<i>Electives</i>	19–20
Unless approved otherwise by Business Advisement, the 19 or 20 hours of electives are to be taken outside of the Department of Management and at the junior and senior level. No restrictions apply to hours taken in excess of 192.	
<i>Total</i>	192

Course Descriptions

- 170–4 Introduction to Business Administration.** Survey of business. General knowledge of the modern business world, the composition and functions of the business organization, as well as business as a social institution. Open only to freshmen and sophomores. Does not satisfy a School of Business requirement.
- 301–4 Management and Supervision.** Functions of management, requisites for effective supervision, and human relations training. For non-business majors who expect to assume a supervisory position. Concentrates upon means of dealing with employees as human beings. Not open to students enrolled in School of Business. Prerequisite: GSB 201c, or equivalent, or consent of instructor.
- 302–4 Administrative Communications in Business.** Creating and managing interpersonal business communications. Analysis, planning and practice in composing different types of internal and external communications in the various business contexts. Prerequisite: GSD 102; Management 170, or 340, or equivalent, or Accounting 250 or 251a, or consent of instructor.
- 340–4 Business Organization and Management.** Business organization, management theory, and practice. Prerequisite: GSB 201b,c or equivalent and junior standing or consent of instructor.
- 341–4 Organizational Behavior I.** The study of human problems in administration; individual, group, intergroup, and organizational behavior under dynamic environment conditions. Theory and case analyses. Prerequisite: 340, GSD 110 or equivalent, or consent of instructor.
- 345–4 Information Systems and Computer Fundamentals.** Structure and nature of information systems. Includes information processing, elementary computer programming in FORTRAN IV or other appropriate language, the nature and use of the digital computer. Prerequisite: 340, or Finance 320, or Marketing 301; Accounting 261; or consent of instructor.
- 350–4 Management Systems.** Organizational activities and informational requirements of management viewed as systems modeled for systematic investigation leading to effective management and decision making. Representative management systems studied, charted, and manipulated. Prerequisite: 340, 345, or consent of instructor.
- 351–4 Methods of Quantitative Analysis.** Introduction to modern mathematical technologies applicable to calculus, matrix algebra, and probability theory. Not open to students who have taken Mathematics 150a or equivalent.
- 361–4 Research in Business Administration.** Design of research to assist managerial decision-making. Concepts, tools, sources, and methods of business research. Planning, collecting, organizing, evaluating, and presenting research data. Prerequisite: 340, GSD 102, 103; GSD 110, or equivalent, or consent of instructor.
- 380–4 Production Management.** Plant location, design, and construction; internal organization for operations, production control, stores control, routing

of materials, job analysis, and time study; wage systems, subdivision of executive responsibilities and duties; methods of coordination and planning. Prerequisite: 340, 345, Mathematics 150a or equivalent, or consent of instructor.

382-4 Performance Standards and Methods Improvement. Concepts, methods, and principles for analyzing industrial operations with the objective of simplifying, improving, and reducing the cost of these operations. Use of process charts to increase productivity. Development of industrial performance standards. Prerequisite: 340 or consent of instructor.

385-4 Personnel Management. Relations of the human element to production; the art of securing understanding and cooperation; employee organizations and outside activities; work of the personnel department; wage standards and working conditions. Prerequisite: 340, GSD 110 or equivalent, or consent of instructor.

431-4 Organizational Behavior II. A study of classical and modern theories concerning complex organizations. Particular emphasis on processes and issues of dividing work, achieving coordination, and organizational change and adaptation. Prerequisite: 340, 430, or consent of instructor.

440-4 The Management Process. Analysis of management theories and the administrative process. Specific managerial activities are analyzed and discussed. Functional relationships in administered organizations are explored. Restricted to MBA students.

452-4 Business Operations Analysis. Analysis of business operations and management problems emphasizing problem formulation, performance measures, decision criteria and various mathematical models and their application; linear programming, game theory. Prerequisite: 340; 451, or Mathematics 150a or equivalent; GSD 110 or equivalent; or consent of instructor.

460-4 Work Measurement for Wage and Salary Control. Research design and methodology for wage and salary administration in an organization; fundamental considerations in evaluating jobs and positions; compensation methods and wage incentive systems. Prerequisite: 385.

474-4 Management Responsibility in Society. Analysis of the political, social, and economic environments in which the manager must function and the manner in which the executive has both adapted to and influenced his environment. Prerequisite: 340, senior standing, or consent of instructor.

479-4 Problems in Business and Economics. Application of economic theory and tools of analysis to practical business problems. Cost and demand functions are analyzed from a policy standpoint. Prerequisite: 340; Economics 215, 308, or 408, or equivalent; Marketing 301 or equivalent; senior standing; or consent of instructor.

480-4 Recent Problems in Labor Law. Social, economic, and legal evaluations of recent labor problems, court decisions, and legislation. Concern is on long-run legislative impact on manpower planning, dispute settlement, and utilization of employment resources. Prerequisite: Finance 371, or Economics 310, Government 395, or consent of instructor.

481-4 Administrative Policy. Integration and analytical application of business core courses to comprehensive business cases. Emphasis on policy issues in the identification and resolution of business problems. Methods of providing simulated experience such as business gaming will be used where appropriate. Prerequisite: 340, Finance 320, Marketing 301 or equivalent.

483-4 Advanced Production Management. Internal problems of managerial control of production including recent developments in theory and techniques: case material will be utilized for the development of analytical ability. Prerequisite: 380.

485-4 Problems in Personnel Management. Analysis of problems in personnel administration arising from current developments in organization; case problems and special reports; and personnel practices. Prerequisite: 361, 385, Economics 308 or 408.

499-1 to 8 Special Topics in Management. Utilizes special faculty resources. Prerequisite: 16 hours in business and consent of department chairman.

Marketing

Professors R. Clifton Anderson, Ph.D.
(Chairman)

William P. Dommermuth, Ph.D.

Robert S. Hancock, Ph.D.

Charles H. Hindersman, D.B.A.

Associate Professors Kendall Adams,
Ph.D.

John R. Lowry, Ph.D.

Assistant Professors Gary F. McKinnon, Ph.D.
Donald L. Perry, Ph.D.

Instructors Raymond LaGarce, M.S.
Charles E. Rosenbarger, M.B.A.

Marketing consists of the performance of those activities associated with the flow of goods and services from producers to consumers and business users. The program is designed to provide the student with an understanding of the role of marketing in an economic system and in a business organization. Emphasis is upon the development of an analytical approach to the creative solution of marketing problems.

<i>General Studies Requirements</i> (Waive GSB-3.)	84
<i>Professional Business Core</i>	52
GSB 201b, 201c, Mathematics 111-10	(18)
Accounting 251a and b, 261	12
Economics 214, 215 and 308 or 408	12
Finance 320 and 371 or 473	8
GSD 110	3
Management 340, 481	8
Marketing 301	4
Mathematics 150a	5
<i>Requirements for a Concentration in Marketing</i>	32
Accounting 315 or Management 345	4
Economics 440 or 441 or Management 479	4
Marketing 363, 390, 493	12
Marketing Electives	12
<i>Electives</i> (Junior-Senior level) *	24
<i>Total</i>	192

* Any exceptions to this requirement subject to prior approval of the Chairman of the Department of Marketing. At least twelve hours must be outside the School of Business. None of these electives are to be in Marketing Courses.

Course Descriptions

301-4 Marketing Fundamentals. Management of a firm's marketing function within a dynamic operating environment. The role of marketing within the firm and its relationship to the economy. Prerequisite: Accounting 251a, Economics 214.

326-4 Quantitative Techniques in Marketing. An introduction to and survey of, mathematical tools of decision making in marketing situations. Application of these techniques to the analyses of marketing problems is emphasized. Prerequisite: 301, Mathematics 150a.

329-4 Retail Management. This is a course designed to present the basic principles and decision areas such as location, layout, organization, personnel, merchandise control, sales promotion, advertising, etc., of retail and wholesale merchandising through an inter-related and managerial perspective. Prerequisite: 301.

335-4 International Marketing. Analysis of international operations. Emphasis on the factors influencing marketing to and within foreign countries and the alternative methods of operations open to international firms. Prerequisite: 301.

341-4 Transportation. Transportation in business. Organization and economic aspects of the United States transportation system including rail, highway, air, pipeline, and water transportation. Regulatory problems of transportation. Current transportation developments and situations. Prerequisite: 301, Economics 215.

363-4 Promotional Concepts. The role of promotional activities in the firm's marketing function. Advertising, personal selling, and sales promotion. The relationship of consumer behavior to the area of promotion. Prerequisite: 301.

390-4 Marketing Research and Analysis. The basic procedures and theory appropriate to solving various types of marketing problems in the context of business organization and decision models. Prerequisite: 301.

- 401-4 Problems of Retailing.** This course is an analysis of current problems and trends in distribution systems and in the marketing of consumer goods. Emphasis is placed upon economic and legal aspects of the retail competitive environment, channels of distribution, retail store operation, and nonstore retailing. Prerequisite: 363.
- 438-4 Sales Management.** Developing and training a sales force. The different types of sales forces. Managing sales functions; determining salesmen's territories, quotas, compensation. Budget preparation. Developing and implementing the merchandise plan. Prerequisite: 363.
- 439-4 Industrial Marketing Management.** Designed to give an over-all view of the field of industrial marketing. Additional emphasis is to be placed on decision criteria. Prerequisite: 363.
- 450-4 Introduction to Managerial Marketing.** Designed to give an over-all view of the field of marketing and the field of marketing policy decisions. Cases are used to illustrate theory covered. Prerequisite: Restricted to MBA students.
- 452-4 Physical Distribution Management.** Integration of physical distribution activities of the firm into a system. Transportation and location as elements of the system. Inventories and service as constraints upon the system. Planning, operation, organization, and management of the system. Prerequisite: 301, Economics 215.
- 463-4 Advertising Management.** The effective use of advertising by business management. An understanding of what advertising can be expected to accomplish under different sets of marketing factors and products. The selection of advantageous advertising programs under different marketing mixes. Prerequisites: 363 and 390.
- 493-4 Marketing Policies.** A comprehensive and integrative view of marketing policy formulation. Marketing decisions analyzed and discussed. Prerequisites: 363, 390, and 4 additional hours in Marketing, and Accounting 261.
- 499-4 Undergraduate Seminar in Marketing.** Aspects and issues in the field of marketing. Enrollment limited to senior students of high academic standing. Prerequisite: invitation; completion of 16 hours of Marketing.

Mathematics

Professors Nicolas Artemiadis, D. Sc.	Joseph C. Wilson, Ph.D.
Amos H. Black, Ph.D.	Assistant Professors Alphonse H.
Lauwerens Kuipers, Ph.D.	Baartmans, Ph.D.
Carl E. Langenhop, Ph.D.	Ramendra K. Bhattacharya, Ph.D.
Abraham M. Mark, Ph.D.	James Allen Crenshaw, Ph.D.
Charles Maxwell, Ph.D.	Ronald C. Grimmer, Ph.D.
Wilbur C. McDaniel, Ph.D.	John W. Hooker
John M. H. Olmsted, Ph.D. (Chairman)	Ronald Brian Kirk, Ph.D.
Associate Professors Zamir Bavel, Ph.D.	Charles F. Koch, Ph.D.
Ward D. Bovwsma, Ph.D.	Thomas B. Paine, Ph.D.
Theodore A. Burton, Ph.D.	Donald Paige, Ed.D.
Neal E. Foland, Ph.D.	Franklin D. Pedersen, Ph.D.
Elbert Fulkerson, M.A. (Emeritus)	Michael Poole, Ph.D.
Leslie Dean Gates, Jr., Ph.D.	Carl Townsend, Ph.D.
Dilla Hall, Ph.D. (Emeritus)	Alice K. Wright, M.A. (Emerita)
Bernard J. Marks, Ph.D.	Instructors Imogene C. Beckemeyer,
Thomas A. Martinsek, Ph.D.	M.A.
Robert A. Moore, Ph.D.	John Samuel Brown, M.S.
Ernest Shult, Ph.D.	J. Howard Crenshaw, M.S.
Michael Skalsky, D.N.Sc.	George Elston, M.S.
Herbert H. Snyder, Ph.D.	James L. Slechticky, M.S.
Thomas H. Starks, Ph.D.	Larry L. Wimp, M.A.

Students intending to concentrate in mathematics must plan schedules of mathematics courses numbered above 299 with a mathematics adviser. Mathematics grade must be at least C in courses numbered 150 or above.

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

General Studies Requirements (Waive GSA-3.)	84
Requirements for Concentration in Mathematics	75-81

GSD FL (French, German, or Russian recommended)	(9)
Mathematics 111-10 or advanced standing	10
Mathematics 150-10, 252-9 (A student may take any of these by proficiency examination or he may substitute any course in honors calculus, which allows extra credit, for any one of these.)	19
Mathematics electives numbered above 299, excluding 310, 311, and 410, but including at least 12 hours in courses numbered above 399 and including one of the following two-quarter sequences: 419-6; 421-6; 426-6; 428-6; 433-6; 452-6; 475-6; 480-6; 483-6.	30
Secondary Concentration (A list of options is available in the office of the Department of Mathematics)	16-22
Electives	27-33
Total	192

Bachelor of Science Degree, COLLEGE OF EDUCATION

General Studies Requirements (Waive GSA-3.)	84
Requirements for Concentration in Mathematics	64
GSD FL (French, German, or Russian recommended)	(9)
Mathematics 111-10 or advanced standing	10
Mathematics 150-10, 252-9 (or honors calculus or by proficiency)	19
Mathematics electives numbered above 299, excluding 310 and 410, but including at least 9 hours in courses numbered above 399.	30
Physics 211a (211b,c recommended)	5
Other requirements are listed under Secondary Education. Mathematics 311 may be substituted for Secondary Education 315.	

Honors Work

Mathematics 159 and 259 provide honors material in calculus and analytic geometry for properly qualified freshman and sophomore students. Mathematics 395 is used for individual honors work for upper level undergraduates in mathematics.

Secondary Concentration

A secondary concentration in mathematics must include Mathematics 252a and at least 12 hours of courses numbered above 252a other than 310, 311, or 410. At least a C is required in all mathematics courses numbered 150 and above.

Course Descriptions

108-3 Basic Transitional Mathematics. Intermediate topics in algebra and principles of trigonometry, for students of at least C ability in mathematics who intend to study calculus or to take 111b later. Prerequisite: GSD 107.

111-10 (5,5) College Algebra and Trigonometry. For students who have had intermediate algebra and plane geometry in high school. Students who have had some college algebra, but no trigonometry, may enter 111b after first taking 108 in place of 111a, if they have approval of General Studies Advisement. Must be taken in a,b sequence. Prerequisite: GSD 106.

140-6 (3,3) Short Course in Calculus. Limits, derivative, applications of derivative, max-min problems from business, economics, and physics; including discrete problems via continuous models, definite integral, use of tables, functions of two variables, partial derivatives, max-min problems, Lagrange multipliers. Prerequisite: 111b.

150-10 (5,5) Elementary Calculus and Analytic Geometry. Elementary differential and integral calculus with analytic geometry and applications. Definite integral and differentiation of transcendental functions. High ability students, in particular, entering freshmen qualified to start calculus and analytic geometry, should seek advice in the Department of Mathematics concerning the advantages of taking 159. Must be taken in a,b sequence. Prerequisite: 111b.

159-14 (7,7) Elementary Calculus—Honors. An honors version of 150 covering the topics of 150 as well as additional selected topics. No student receives credit for both 150a and 159a or for both 150b and 159b. Must be taken in a,b sequence. Prerequisite: consent of department.

252-9 (5,4) Intermediate Calculus and Analytic Geometry. Continuation of 150. Includes differential and integral calculus, applications, introduction to solid analytic geometry, infinite series. Must be taken in a,b sequence. Prerequisite: 150b, 159b.

259-13 (7,6) Intermediate Calculus—Honors. Covers topics of 252 and additional selected topics. Either part of this course may be substituted for the corresponding part of 252. Credit is not given for corresponding parts of both courses. Must be taken in a,b sequence. Prerequisite: 150b or 159b, and consent of department.

301-3 Fundamental Concepts. A treatment of selected basic topics from set theory, logic, and the real number system. Prerequisite: 150b or consent of department.

305-6 (3,3) Applied Mathematics for the Physical Sciences. (a) Ordinary differential equations, and applications; (b) Additional topics in applied mathematics such as finite difference methods, Laplace transforms, and Fourier series. Must be taken in a,b sequence. Prerequisite: 252b.

310-4 The Teaching of Elementary Mathematics. A professional treatment of the subject matter of arithmetic methods and a study of trends and current literature on the teaching of arithmetic. For elementary education concentration only. Prerequisite: GSD 107.

311-3 The Teaching of Secondary Mathematics. A study of the nature and objectives of the secondary mathematics curriculum. Particular attention is given to the means of introducing new ideas into the high school program. For students preparing to be certified teachers of secondary mathematics. Does not count toward a mathematics concentration for Bachelor of Arts degree students. Prerequisite: 311.

319-3 Introduction to Abstract Algebra. The basic abstract algebraic structures. Prerequisite: 301 or consent of department.

321-3 Elementary Matrix Algebra. Matrix operations, determinants, matrix inversion, rank and equivalence, linear equations. Prerequisite: 140b or 150a.

325-3 Introduction to Number Theory. Properties of integers. Primes, divisibility, congruences, and Diophantine equations. Prerequisite: 301 or consent of department.

335-6 (3,3) Concepts of Geometry. An elementary introduction to various geometric systems to acquaint the student with the interrelationship between geometries of current interest. Topics include axiom systems, absolute plane geometry, Euclidean geometry, and non-Euclidean geometry. Must be taken in a,b sequence. Prerequisite 252a and 301 or consent of instructor.

352-3 Introduction to Analysis. Examination of such concepts as continuity and limit and their negations, in the context of elementary calculus, in relation to the operations of addition, multiplication, and composition of functions, and to the structure of a vector space of functions. Prerequisite: 301 or consent of department.

400-3 History of Mathematics. An introduction to the development of major mathematical concepts. Particular attention given to the evolution of the abstract concept of space, to the evolution of abstract algebra, to the evolution of the function concept, and to the changes in the concept of rigor in the development of mathematics from 600 B.C. to the present time. Prerequisite: 301 or consent of instructor.

410-16 (4,4,4,4) Statistical Analysis. For students in fields using statistical methods but who are not required to take calculus. Includes (a) elements of probability, estimation, and testing hypotheses; (b) the general linear model (multiple linear regression, analysis of variance, analysis of covariance) and nonparametric statistics; (c) design of experiments; (d) sample survey techniques. May not be used to satisfy requirements for a mathematics concentration. Three lectures and two laboratory hours per week. Must be taken in either a,b,c,d or a,b,d,c sequence. Prerequisites: 111b or consent of instructor.

419-6 (3,3) Algebraic Structures. A study of the properties of such basic

algebraic structures as groups, rings, fields. Must be taken in a,b sequence. Prerequisite: 301 or consent of department.

421-6 (3,3) Linear Algebra. The theory of determinants and systems of linear equations; vector spaces, linear independence, bases, dimension; linear transformations, change of base, similarity; quadratic and Hermitian forms, orthogonal and unitary transformations; triangular and diagonal form; eigenvalues and eigenvectors; normal matrices; nilpotent and idempotent matrices, the spectral theorem. Must be taken in a,b sequence. Prerequisite: 252b and 301 or consent of department.

425-3 Theory of Numbers. Selected topics from number theory. Prerequisite: 325 or consent of instructor.

426-6 (3,3) Mathematical Logic. A formal development of the classical propositional calculus and functional calculi of first and second order from the primitive basis. Consistency and completeness. Validity and satisfiability. Must be taken in a,b sequence. Prerequisite: 301 or consent of department.

428-6 (3,3) Boolean Algebra and Switching Theory. An introduction to Boolean algebra with applications to switching circuits, set theory, and logic; Boolean functions and canonical forms; Boolean rings and algebras; linear graphs; partially ordered sets and lattices; theory of simplification and design of combinational and sequential circuits. Must be taken in a,b sequence. Prerequisite: 301 or consent of instructor.

430-4 Projective Geometry. Introduction to the fundamental concepts of projective geometry. Topics usually include the study of conics, polar systems of conics, homogeneous coordinates, cross-ratio, harmonic sets, duality, projectivities, and involutions. Prerequisite: 252a and 301 or consent of instructor.

433-6 (3,3) Introduction to Topology. Topological spaces, continuity and homeomorphisms, construction of topologies, separation, compactness, connectedness, completeness. Must be taken in a,b sequence. Prerequisite: 301 or consent of department.

440-2 to 4¹ Modern Algebra for Teachers. An introduction to algebra as a logical system, including groups, rings, and fields. Prerequisite: consent of instructor.

442-2 to 4¹ Survey of Geometry. A survey of geometry, including projective geometry, topology, etc. Prerequisite: consent of instructor.

444-2 to 4¹ Sets, Functions, and Relations. Basic ideas of sets, set algebra, elementary logic, relations and functions, graphing. Prerequisite: consent of instructor.

445-2 to 4 Fundamental Concepts of Calculus. A careful study of the basic concepts of calculus. Prerequisite: consent of instructor.

452-9 (3,3,3) Advanced Calculus. Fundamental concepts of analysis: limits, continuity, differentiation, and integration. Major topics include partial differentiation, vector analysis, Riemann-Stieltjes integrals, multiple integrals, infinite series, improper integrals, uniform convergence, Fourier series, and line and surface integrals. Must be taken in a,b,c sequence. Prerequisite: 252b.

455-9 (3,3,3) Advanced Mathematics for the Physical Sciences. (a) Theory of functions of complex variable, analytic functions, contour integration, and conformal mapping. (b) Differential equations; existence and uniqueness for initial value and boundary value problems, oscillation, stability. (c) Introduction to vector fields, line integrals, divergence and curl, integral theorems, the one-dimensional wave and heat equations, and separation of variables technique. May be taken individually or in any sequence. Prerequisite: 252b or 455a; 305b, or b and c, or consent of instructor.

460-4 Modern Geometry. Advanced topics in Euclidean geometry by the synthetic method. Topics include the nine-point circle, Simson line, theorems of Ceva and Menelaus, coaxal circles, harmonic section, poles and polars, similitude, and inversion. Prerequisite: 20 hours of college mathematics.

475-9 (3,3,3) Numerical Analysis. Introduction to approximation methods including finite differences and interpolation; numerical differentiation and quadrature; least square approximation; numerical solution of linear and nonlinear systems; numerical integration of systems of ordinary and partial differential equations. Emphasis upon error analysis throughout. Must be taken in a,b,c sequence. Prerequisite: 305a or 252b and consent of instructor.

480-9 (3,3,3) Probability. Introduction to probability theory. Includes the algebra of possibilities; discrete and continuous distributions, limit theorems, generating functions, and some elements of stochastic processes. Must be taken in a,b,c sequence. Prerequisite: 252b.

483-9 (3,3,3) Introduction to Mathematical Statistics. A mathematical devel-

- opment of the elements of statistical theory. (a) Probability distributions, generating functions, and limit theorems; (b) Statistical inference: estimation, tests of hypotheses, general linear hypothesis; (c) Design of experiments—a mathematical model approach. Must be taken in a,b,c sequence with the exception that 480a, 421a, and consent of instructor may replace 483a. A student will not be allowed university credit for both 480a and 483a. Prerequisite: 252b.
- 501–9 (3,3,3) Real Variables.
- 502–3 to 18 Advanced Topics in Ordinary Differential Equations.
- 505–9 (3,3,3) Theory of Ordinary Differential Equations.
- 507–9 (3,3,3) Partial Differential Equations.
- 510–4 Foundations of Mathematics.
- 512–3 to 18 Advanced Topics in Mathematical Logic.
- 520–9 (3,3,3) Modern Algebra.
- 522–3 to 18 Advanced Topics in Algebra.
- 525–3 to 18 Advanced Topics in Number Theory.
- 528–9 (3,3,3) Theory of Automata.
- 530–9 (3,3,3) General Topology.
- 531–9 (3,3,3) Algebraic Topology.
- 532–3 to 18 Advanced Topics in Topology.
- 536–3 Differential Geometry.
- 540–4¹ Groups and Linear Transformations.
- 543–4¹ Probability for Teachers.
- 545–4¹ Intermediate Analysis for High School Teachers.
- 548–2 to 4¹ Trends in School Mathematics.
- 550–1 to 10 Seminar.
- 551–9 (3,3,3) Functional Analysis.
- 552–3 to 18 Advanced Topics in Analysis.
- 555–9 (3,3,3) Complex Variables.
- 560–6 (3,3) Calculus of Variations.
- 572–3 to 18 Advanced Topics in Numerical Analysis.
- 580–9 (3,3,3) Mathematical Methods of Statistics.
- 581–9 (3,3,3) Advanced Probability Theory.
- 592–2 to 4¹ Research in Mathematics Education.
- 595–1 to 10 Special Project.
- 599–1 to 9 Thesis.
- 600–1 to 48 Dissertation.

¹These courses are open to candidates for the Master of Science in Education degree in mathematics, to National Science Foundation Institute participants, and to those who have received the consent of the chairman of mathematics or the director of the institute.

Microbiology

Professors Carl C. Lindegren, Ph.D. Associate Professors Dan O. McClary, (Emeritus) Ph.D.
Maurice Ogur, Ph.D. (Chairman) Hassan Rouhandeh, Ph.D.
Isaac L. Shechmeister, Ph.D.

Microbiology deals with the study of micro-organisms, examining various forms, their classification, growth, reproduction, heredity, biochemistry, ecology, and their relationship to other living organisms including man. The following program of study prepares one for laboratory or teaching positions after the bachelor's degree or for graduate study leading to advanced degrees.

Opportunities for specialized training in diagnostic bacteriology, virology, immunology, genetics, biochemistry and industrial processes are available. Core courses required for concentration in microbiology are Biology 305, 306, 307, and 308.

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

General Studies Requirements (Waive GSA–3 *.)	83–84
Supplementary Two-Year College Requirement in FL/Mathematics	18–20
Requirements for Concentration in Microbiology	83–88

Biology 305, 306, 307, 308	16
Microbiology 301, 302	10
Microbiology electives including a minimum of 9 hours in 400-level laboratory courses in microbiology	25
Chemistry 121, 305 or 341	20-25
Physics 206, 207	12
<i>Electives</i>	16-22
<i>Total</i>	192

* Recommended substitutions Physics 206, 207 for GSA 101a, Chemistry 121 for GSA 101b.

Secondary Concentration

A secondary concentration in microbiology consists of 24 hours, to include 301, 302, and other courses determined by the student in consultation with his microbiology adviser.

Course Descriptions

301-5 Principles of Microbiology. A survey of morphology, structure, metabolism, population dynamics, and heredity of the microbial agents, with particular emphasis on pure culture methods of study of the bacteria, viruses, and related organisms. Four hours lecture, 5 hours laboratory. Prerequisite: one year of college chemistry and GSA 210a or equivalent.

302-5 General Microbiology. Differentiation and classification of the bacteria and other microorganisms; their biochemical activities; genetics; biological and physical interrelationships; their prevalence and importance in air, water, foods, and soil; and their economic exploitation by man. Three hours lecture, 5 hours laboratory. Prerequisite: 301.

390-2 to 5 Undergraduate Research Participation. Faculty directed individual or group research. Prerequisites: 4.00 grade point average in microbiology or consent of the department.

401-1 Undergraduate Seminar. Prerequisite: senior standing and consent of instructor. This course may be taken for credit once only.

403-3 Medical Bacteriology. A general survey of the mechanisms of infection, epidemiology, and immunity and the specific application of these principles to the symptomatology, diagnosis, treatment, and control of the more common bacterial infections of man. Three hours lecture. Prerequisite: 302.

404-2 Medical Bacteriology Laboratory. Procedures for the collection and handling of medical specimens for microbial examination and for cultivation and identification of the pathogenic organisms by their morphological, biochemical, and serological characteristics. Five hours laboratory. Prerequisite: or corequisite 403.

421-3 Microbiology of Foods Lecture. The relationships of microorganisms to the preparation and preservation of foods with consideration of the laws governing sanitation, chemical preservatives, and fair dealing of the food producer. Three hours lecture. Prerequisite: 301.

422-2 Microbiology of Foods Laboratory. Methods for preservation, sanitary inspection, and microbiological examination of foods. Four hours laboratory. Prerequisite: or corequisite 421.

423-3 Industrial Fermentation. The application of the chemical activities of microorganisms to the industrial production of beverages, foods, antibiotics, and various commercial chemicals. Prerequisites: 301 and organic chemistry.

425-3 Biochemistry and Physiology of Microorganisms. The chemical basis of physiological functions in microbial cells. Three hours lecture. Prerequisites: 301 and organic chemistry.

426-3 Biochemistry and Physiology of Microorganisms. Four hours laboratory and one hour discussion. Prerequisite: or corequisite 425.

441-3 Virology Lecture. General properties; classification and multiplication of bacterial and animal viruses; lysogeny; immunological and serological reactions; relation of viruses to cancer; and consideration of selected viral diseases of animals. Four hours lecture. Prerequisite: 302.

442-3 Virology Laboratory. Tissue culture methods, multiplication and assay of animal and bacterial viruses, purification, electron microscopy, interference, immunity. Six hours laboratory. Prerequisite: or corequisite 441.

451-3 Immunology Lecture. Antigens, antibodies, and antigen-antibody reactions in vitro and in vivo, natural and acquired immunity. Four hours lecture. Prerequisite: 302.

452-3 Immunology Laboratory. Natural defense mechanisms and immune response, preparation of antigens and antibodies, serologic reactions, conjugated antibodies, electrophoresis, anaphylaxis. Six hours laboratory. Prerequisite: or corequisite 451.

460-3 Genetics of Bacteria and Viruses Lecture. Genetic mechanisms, mutation, transformation, recombination, transduction, lysogeny, phenotypic mixing, and reactivation phenomena. Three hours lecture. Prerequisite: 302.

461-3 Genetics of Bacteria and Viruses Laboratory. Six hours laboratory. Prerequisite: or corequisite 460.

462-3 Fungal Genetics Lecture. Mendelian and molecular genetics of neurospora and yeast. Mutant induction, sexual crosses, tetrad analysis, linkage, and mapping. Three hours lecture. Prerequisite: Biology 305.

463-3 Fungal Genetics Laboratory. Six hours laboratory. Prerequisite: or corequisite 462 and consent of instructor.

500-1 Seminar.

502-4 (2,2) History of Genetics.

503-2 Cytology of Microorganisms.

504-5 Methods of Microbiological Research.

511-1 to 15 Research.

525-3 Biochemistry and Physiology of Microorganisms.

526-3 Biochemistry and Physiology of Microorganisms.

528-1 to 10 Readings in Microbiology.

541-6 Advanced Virology.

542-3 Molecular Virology.

562-3 Molecular Genetics.

599-3 to 9 Thesis.

600-3 to 48 Dissertation.

Music

Research Professor Marjorie Lawrence

Professors Steven Barwick, Ph.D.

Fred H. Denker, Ph.D.

Roderick Gordon, Ph.D.

Robert Mueller, Ph.D.

Robert W. House, Ed.D. (*Chairman*)

Associate Professors William Betterton, Ph.D.

Will Gay Bottje, D.M.A.

Lawrence Intravaia, D.M.A.

David McIntosh, M.S. (*Emeritus*)

Wesley K. Morgan, Ph.D.

Phillip H. Olsson, M.M.

Robert Resnick, M.M.

Charles D. Taylor, Ed.D.

William K. Taylor, M.M.

John Wharton, M.M.

Assistant Professors Mary Jane Grizzell, M.M.

Elisabeth Hartline, M.M.

George Hussey, M.A.

Myron H. Kartman, D.M.A.

Robert Kingsbury, M.M.

Nicholas Koenigstein, M.M.

Herbert Levinson, M.M.

Melvin Siener, M.A.

Marianne Webb, M.M.

W. Kent Werner, Ph.D.

Instructor Helen M. Vogler, (*Emerita*)

During each academic year, a series of distinguished musicians join the faculty and students for a period of workshops, seminars, and performances. The roster for the past few years has included the following: Carl Weinrich, organist; Ernest and Lory Wallfisch, viola and piano duo; Willi Apel, Louis Cuyler, and Nicholas Slonimsky, musicologists; Joseph Szigeti, violinist; Robert Goldsand, pianist; and Reginald Kell, clarinetist; and Nadia Boulanger.

In addition, artists from related fields have included Katherine Dunham, dancer; Edith Lutyens Bel Geddes, costume supervisor; and Max Kaplan, musicologist-sociologist.

General Requirements

The requirements for entrance and for graduation as set forth in this bulletin are in accordance with the published regulations of the National

Association of Schools of Music, of which the Department of Music is a member.

Each resident music student must maintain a satisfactory membership in either a university band, orchestra, or chorus every quarter he is enrolled at Southern Illinois University, with the exception of the student teaching quarter.

It is required that all students with a concentration in music reserve the ten o'clock hour on Mondays for music convocations and studio recitals.

Bachelor of Music degree students with a specialization in applied music must present a half-recital in their junior year and a full recital in their senior year. Those with a specialization in music education must present a half-recital in their senior year.

While enrolled in private instruction, the music concentration must attend a minimum of five campus recitals or concerts in which he is not a participant. A deficiency in recital attendance for any one year will result in the student's being given a grade of incomplete in his applied music.

Each candidate for the Bachelor of Music degree must pass the proficiency examination in secondary piano. A student with inadequate preparation in piano must elect class piano each quarter of his freshman and sophomore years. If he fails to meet the basic piano requirements at the end of the sophomore year, he must continue in class piano without credit until he passes the test. One specializing in music education must also pass a proficiency test in voice or elect class voice until he can pass the proficiency test. It is the responsibility of each student, with the assistance of his adviser and instructors, to meet these requirements.

Bachelor of Music Degree, SCHOOL OF FINE ARTS

<i>General Studies Requirements (Waive GSC-3.)</i>	84
<i>Requirements for Concentration in Music</i>	111-119
Music 357-9	(4) + 5
Music (Theory) 105-12; 205-9; 326-6; 441-6	(3) + 30
Music (Applied) 12 quarters of ensemble	12
Piano class or proficiency	6
One of the specializations listed below ¹	66
<i>Applied Music</i>	
Major instrument or voice, 12 quarters ²	48
Additional theory courses	6
Electives in music	12
<i>Music Theory-Composition</i>	
Major instrument or voice, 12 quarters	24
Advanced theory-composition courses	12
Electives in music	22
<i>Music History-Literature</i>	
Major instrument or voice, 12 quarters	24
Advanced and related courses in music history and literature	18
Electives in music theory	8
Additional electives in music	8
<i>Total</i>	195-203

¹ Before the end of his sophomore year the student should choose an area of specialization. This choice is subject to approval by the faculty adviser and the chairman.

² For students combining this specialization with the prescribed courses for state certification in education, the applied specialization will be elected for 2 hours per quarter, totaling 24 hours.

Music Education

The following requirements may be satisfied in twelve quarters; they meet the requirements for the State Special Teaching Certificate.

<i>General Studies Requirements</i> (Waive GSC-3.)	84
<i>Requirements for Concentration in Music</i>	84
Music 357-9	(4) + 5
Music (theory) 105-12, 205-9, 326-4 or 441-4	(3) + 22
Music (education) 300a, 305i or v; 309a, 318a,b	9-12
(Three hours apply toward teaching certification) 300a re-	
quired only for choral emphasis	
Music (applied) 11 quarters of major ensemble and 9 quar-	
ters of Primary instrument or voice	29
Piano class or proficiency	6
Voice class or proficiency	1
Music: class woodwinds, brass, and strings	0-6
(2 hours except in major area and one hour of percussion—	
required for instrumental emphasis.	
Music electives	6-9
<i>Professional Education Requirements</i> ¹	27
English 391 or proficiency examination	(3)
Guidance 305	4
Secondary Education 310	4
Education elective	4
Music (Education Methods) 451	3
Secondary Education 352-8; Elementary Education 351-4	12
Before a student is approved for student teaching he must	
satisfy the course of study and proficiency prerequisites as	
established by the Department of Music.	
<i>Total</i>	195

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

These courses are for students who wish to specialize in music as part of their general cultural education. They may also be taken as background training by those who may plan to pursue advanced studies in such fields as music criticism and aesthetics.

Required courses are 105-12, 140-6, 205-9, 240-6, 357-9, 001 or 002 or 003-6, and electives in music to complete a total of 60 hours.

Secondary Concentration

The secondary concentration in music includes 105-12, 140-6, 357-9, 001 or 002 or 003-3. One taking music as a specialty or as a secondary concentration, while enrolled in private instruction, must attend a minimum of five campus recitals or concerts per quarter other than those in which he is a participant.

¹ As a prerequisite to teaching in the public schools, an individual must pass a test on State Constitution and History or successfully complete either GSB 211b or Government 300.

Course Descriptions

- 001-5 (1,1,1,1,1) Band.** (a) Saluki Marching Band, (b) Symphonic Band, (c) Stage Band, (d) Laboratory Band, and (e) Wind Ensemble. Prerequisite: c,e by audition; a,b,d by consent of instructor.
- 002-4 (1,1,1,1)** (a) University Choir, (b) Chorus Oratorio, (c) Male Glee

Club, and (d) Women's Choral Ensemble. (e) **Angel Flight Angelaires**. May be taken in any sequence. Any part may be repeated for 12 quarters. Prerequisites: Auditions required for a,c,d,e, consent of instructor.

003-2 (1,1) Chamber Orchestra. (a) University orchestra, (b) Southern Illinois Symphony orchestra. Prerequisite: audition, consent of instructor.

010-7 (1,1,1,1,1,1) Class Applied Music. Offered in all areas of applied music except organ. These courses include the minimum instruction required for passing the proficiency examinations in piano and voice and they offer practical training in the basic principles of playing the instruments of the orchestra and band. They also include introductory techniques and methods for teaching instrumental and choral groups in the elementary and secondary schools.

- a. Strings
- b. Woodwinds
- c. Brass
- d. Percussion

- e. Piano
- f. Voice
- g. Guitar

May be taken in any sequence. Prerequisite: concentration in music, or elementary education, or early childhood.

105-12 (4,4,4) Theory of Music. Fundamentals of music in sight singing, ear training, harmony, and keyboard harmony.

106-3 Survey of Music Literature. Characteristic forms and styles. Analysis and listening. Examples from the leading composures of each era. Prerequisite: concentration in music.

140, 240, 340, 440, 540-1 to 4 Private Applied Music. Offered at five levels in the areas listed below. Credit is given at 1, 2, or 4 hours on each level. Consult with adviser for details of credit and requirements. May be repeated for three quarters at each level. Students with a concentration in Performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite for 140; music concentration or secondary concentration or consent of music faculty. Prerequisite for higher levels: three quarters at the previous level on the same instrument or consent of instructor.

- a. Violin
- b. Viola
- c. Cello
- d. String Bass
- e. Flute
- f. Oboe
- g. Clarinet
- h. Bassoon
- i. Saxophone
- j. Percussion

- k. Piano
- l. French Horn
- m. Trumpet
- n. Trombone
- o. Tuba
- p. Baritone
- q. Voice
- r. Organ
- s. Harpsichord

200-3 Fundamentals of Music. Rudiments of music for those with little or no musical background. Recommended as a course preliminary to 300 (not for music concentrations). May be taken concurrently with 010e.

205-9 (3,3,3) Theory of Music. Advanced harmonic techniques, modulation, altered chords, chromatic harmony, counterpoint, and introduction to contemporary harmonic principles. Must be taken in a,b,c sequence. Prerequisite: 105c.

240-1 to 4 Private Applied Music. (See Music 140).

300-9 (3,3,3) Music Education—Elementary. Teaching music in the elementary grades. (a) For music concentrations only; (b) For nonmusic concentrations only, emphasizing work in grades 4-6; (c) For nonmusic concentrations only, emphasizing work in grades K-3. Prerequisite: 200 or equivalent.

303-3 Music Education—Secondary. Teaching music in the high school.

305I-3 Instrumental Problems and Materials. Administration of the school instrumental music program. Emphasis on library, physical facilities, organization of the marching band, arranging music for out-of-door performances.

305V-3 Vocal Problems, Materials, and Conducting. Vocal and psychological problems in handling choral groups, reading and acquaintance with a variety of choral materials at the high school level, and interpretation through conducting techniques.

306-3 Music for Primary Children. Activities, materials, and methods. For early childhood and elementary education majors.

309-6 (2,2,2) Arranging. (a) Rudiments of arranging, choral and instrumental; (b) Techniques of arranging for the small ensemble; (c) Techniques of arranging for the large ensemble. Must be taken in a,b,c sequence. Prerequisite: 105c.

- 312-6 (2,2,2) Composition.** Original composition in the smaller forms for piano, voice, string quartet, and other small combinations. Prerequisite: 205c.
- 315-2 Opera Repertory.**
- 318-6 (2,2,2) Conducting.** (a) Basic conducting techniques; (b) Choral or instrumental conducting techniques. Prerequisite: 318a.
- 326-6 (2,2,2) Analysis.** The element of structure, form, and design in musical composition. Prerequisite: 205c.
- 340-1 to 4 Private Applied Music.** (See Music 140.)
- 341-1 to 6 Accompanying Lab.** A performance laboratory for students whose principal instrument is piano and who have attained sufficient skill to accompany the music soloist or performing group.
- 346-2 to 36 Opera Workshop.** May be repeated for credit.
- 347-2 to 36 Music Theater Workshop.** May be repeated for credit.
- 365-5 (1,1,1,1,1) Chamber Music.** (a) Vocal; (b) String; (c) Woodwind; (d) Brass; (e) Percussion. Any part may be repeated twelve quarters.
- 411-9 (3,3,3) (a) Symphonic Literature.** Development of the symphony and the symphonic poem to 1900; (b) **Choral Literature.** The literature of the larger vocal forms such as the cantata and oratorio to 1900; (c) **Chamber Music Literature.** Chamber music literature from the Renaissance to the present.
- 414-2 to 6 Collegium Musicum.** Practicum in the preparation and performance of music from early times to the classical period. Prerequisite: Music Concentration and/or consent of the department.
- 420-1 to 3 Music Education Practicum.** A shop-laboratory course dealing with the selection, adjustments, maintenance, and repair of musical instruments.
- 430-2 Stage Band Arranging.** The study and analysis of jazz harmony, melody, and rhythm as applied to modern instrumentation. Workshop wherein arrangements are written and played. Prerequisite: 309a.
- 431-2 Organization and Development of the High School Stage Band.** The relationship of the stage band to the overall music program; instrumentation; sources of music; types of presentation; rehearsal techniques; study of the effective application of dynamics, phrasing, intonation, and balance for improved performance. Prerequisite: 430.
- 441-6 (2,2,2) Counterpoint.** (a) 16th Century Counterpoint. Special counterpoint and creative writing in the style of Palestrina and his contemporaries. Prerequisite: 105c; (b) 18th Century Counterpoint. Analysis and creative writing in the contrapuntal-harmonic technique of Bach and his contemporaries. Prerequisite: 105c; (c) Canon and Fugue. Analysis and creative writing of the larger imitative forms. Prerequisite: 441b.
- 444-6 (2,2,2) Intermediate Composition.** Required of undergraduates with concentration in theory-composition, culminating with original works in contemporary idioms. Taught by individual instruction. Prerequisites: 312c and consent of department.
- 451-2 to 3 Teaching General Classroom Music.**
- 453-2 to 6 Choral Materials and Techniques.** Demonstration and performance of choral rehearsal procedures; developing tone, diction, blend, and balance; concert production; performance of selected choral materials appropriate for junior and senior high school. Prerequisite: consent of instructor.
- 454-2 to 6 Instrumental Materials and Techniques.** Demonstration and performance of instrumental music rehearsal procedures; developing tone, articulation, blend, and balance; concert production; performance of selected materials appropriate for junior and senior high school. Prerequisite: consent of instructor.
- 455-2 to 6 Elementary Music Education Workshop.**
- 461-2 Teaching Techniques and Materials for the Beginning and Intermediate Levels.** Designed to meet the needs of applied students in the Bachelor of Music or Master of Music degree programs in which the problems of private studio teaching and college-level teaching are discussed.
- 462-2 Teaching Techniques and Materials for the Advanced Student.** Prerequisite: 461.
- 465-9 (3,3,3) Development and Teaching of Strings.** Place and function of string education in the elementary and secondary schools. Techniques of heterogeneous and homogeneous string teaching. Developing and sustaining interest in the string program. Resource aids. May be repeated for a total of 9 hours credit. Prerequisite: senior standing.
- 468-2 to 12 Music Productions.** Study of the techniques involved in staging operas and musicals.
- 471-6 (3,3) Ethnomusicology.** (Same as Anthropology 471) A survey of theory,

method, and form in ethnomusicology, with concentration on selected geographical areas. (a) Oceania, Asia, and Africa. (b) Middle East, Europe, and the New World.

481-2 to 6 Readings in Music Theory.

482-2 to 6 Readings in Music History and Literature.

483-2 to 6 Readings in Music Education.

499-1 to 12 Independent Study. Opportunity for the capable student to engage in original investigations with faculty specialists. May be repeated for credit. Prerequisite: consent of instructor.

501-3 Introduction to Graduate Study in Music.

502-6 (2,2,2) Analytic Techniques.

503-3 to 4 Objective Research Techniques in Music Education.

504-3 Music of the Middle Ages and Renaissance.

505-3 Music of the Baroque Period.

506-3 Music of the Classical Period.

507-3 Music of the Romantic and Impressionistic Periods.

508-3 Music of the Twentieth Century.

509-3 The History and Philosophy of Music Education.

512-3 History of Opera.

522-3 Seminar: Music History and Literature.

531-2 to 9 Advanced Composition.

535-3 Contemporary Idioms.

540-1 to 4 Private Applied Music. (See Music 140.)

545-3 to 9 Philosophy of Music Theory.

550-3 Administration and Supervision of Music.

551-2 to 4 Organization and Administration of Music—Secondary.

556-2 to 6 Advanced Conducting.

560-2 to 3 Seminar in Music Education.

566-1 to 12 Instrumental Ensembles.

567-5 (1,1,1,1,1) Vocal Ensembles.

568-2 to 12 Opera Workshop.

598-6 Graduate Recital.

599-3 to 9 Thesis.

Nursing

At present all of the program may be taken at the East St. Louis Center; or the first four quarters including the summer quarter of the first year which is preclinical and primarily liberal arts subjects, may be taken on the Carbondale Campus. The remaining quarters must be taken at the East St. Louis Center starting in the fall quarter of the student's sophomore year.

Philosophy

Research Professor Lewis Hahn, Ph.D.

Professors S. Morris Eames, Ph.D.

John Frank Hayward, Ph.D.

Wayne Leys, Ph.D.

William J. McKeefery, Ph.D.

Willis Moore, Ph.D. (*Chairman*)

George K. Plochmann, Ph.D.

Charles D. Tenney, Ph.D.

Henry N. Wieman, Ph.D. (*Emeritus*)

Associate Professors James Diefenbeck, Ph.D.

Elizabeth Eames, Ph.D.

John Howie, Ph.D.

Don Ihde, Ph.D.

George McClure, Ph.D.

Assistant Professors David Clarke, Ph.D.

Matthew Kelly, Ph.D.

Shu-Hsien Liu, Ph.D.

Visiting Professor Paul A. Schilpp, Ph.D.

General Studies courses in philosophy are available at each level for use in partial satisfaction of the requirements in Area C. The prospective philosophy student is advised to elect at least one such course at each of the first two levels.

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES	
General Studies Requirements	90
Supplementary Two-Year College Requirement in FL/Mathematics	18
(All philosophy majors, except those planning to emphasize logic, should take two years of a foreign language.)	
Requirements for Concentration in Philosophy	35
GSC 381, 382, 383 plus any two of the following courses:	
Philosophy 300, 320, 481a, GSC 386, 387	(6) + 9
Philosophy electives to complete 45 hours, 3 or 4 of which may be selected from philosophy courses in the first two levels of GSC	
(4) + 26	
Secondary Concentration (consult with philosophy department chairman)	24
Electives	25
Total	192

SECONDARY CONCENTRATION

A secondary concentration in philosophy requires 24 hours, 6 or 7 of which may be selected from philosophy courses offered at the first two levels of General Studies and Philosophy and 12 of which should be selected from the courses listed above for the major concentration.

HONORS

Honors in philosophy will be granted to eligible majors who successfully complete three honors courses in philosophy (one in their junior year and two in their senior year, or *vice versa*), maintain a 4.25 average in Philosophy and a 4.000 overall grade point average, and have their written work in honors courses accepted by the departmental Honors Committee. These honors courses may be elected for credit by non-majors, but only by students approved by the department.

Course Descriptions

- 200-4 Types of Philosophy: An Introduction. Survey of the traditional branches and problems of philosophy, such as religion, metaphysics, epistemology, ethics, political theory, aesthetics, and history.
- 300-4 Elementary Metaphysics. Presentation of answers to the most general problems of existence. An attempt to unify all scientific approaches to reality through the laying down of common principles.
- 301-4 Philosophy of Religion. An analysis of problems in the psychology, metaphysics, and social effects of religion. Among topics discussed are the nature of mystical experience, the existence of God, and problems of suffering, prayer, and immortality.
- GSC 310-3 Religious Foundations of Western Civilization.
- GSC 311-3 Philosophies and Religions of India.
- GSC 312-3 Philosophies and Religions of the Far East.
- 320-4 General Logic. Terms, propositions, and reasoning. Logic as an instrument for the solution of problems in natural and social sciences.
- 340-4 Elementary Ethics and Politics. Problems of right and wrong for the individual and society.
- 355-4 Philosophy of Education. (See Educational Administration and Foundations 355.)
- 360-4 Philosophy of Art. The significance of art as a human activity, its nature and standards as seen in the problems of criticism, and the relation of art to other forms of knowledge.
- GSC or GSA 363-6 (3,3) Philosophy of Science.
- GSC 381-3 Greek Philosophy.

GSC 382-3 Graeco-Roman and Medieval Philosophies.

GSC 383-3 Early Modern Philosophy.

GSC 386-3 Early American Philosophy.

GSC 387-3 Recent American Philosophy.

389-3 Existential Philosophy. Surveys the two main sources of existentialism, the life philosophies of Kierkegaard and Nietzsche and the phenomenology of Husserl, and introduces the major philosophical themes of representative thinkers: J. P. Sartre, M. Heidegger, G. Marcel, and others.

406-4 Philosophy of Biology. Leading concepts of biological sciences: species, evolution, life, organism and part, etc. Abstract ideas of biology are related, wherever possible, to specific experiments recorded in scientific literature. Prerequisites: 300 or 320, and three laboratory or field courses in the biological sciences or consent of instructor.

415-3 Logic of the Social Sciences. Logical and epistemological examination of the social studies as types of knowledge. Basic problems in philosophy of science with major emphasis upon social science: relationship of theory to fact, nature of induction, nature of causal law, testability, influence of value judgments, etc. Intended for students with considerable maturity in a social science or in philosophy.

420-4 Advanced Logic. A careful study of symbolic and discursive systems of logic: Aristotle, Spinoza, Boole, Whitehead, and Johnson. Prerequisites: 320 and consent of instructor.

426-6 (3,3) Mathematical Logic. (See Mathematics 426.)

428-3 Logic of the Exact Sciences. Critical study of the technical and philosophical problems associated with formal logic and its uses as a tool for model construction, for formalizations, reconstructions, and as an image of rational thought. Prerequisites: 426-6 or consent of instructor.

441-4 Philosophy of Politics. (Same as Government 441.) Some of the central problems of modern political life, such as sovereignty, world government, authority and consent, the relations of economics and social studies to political theory. Prerequisite: GSC 102 or 340 or consent of instructor.

443-4 Philosophy of History. Classical and contemporary reflections on the nature of history and historical knowledge as the basis for dealing with the humanities. Prerequisite: consent of instructor.

460-4 Advanced Philosophy of Art. The definition of art, its relations to science, culture, and morals; the various types of art defined. Familiarity with at least one of the fine arts is assumed. Prerequisites: GSC 207 or 360, and six courses in music, painting, sculpture, literature, or drama.

477-4 Latin American Philosophy. A survey of philosophic thought in Latin America from colonial times through nineteenth century positivism and the reactions against it, up to recent trends. Reading of original texts in English translations. Discussions and reports.

478-4 Seminar in Latin American Thought. (See Spanish 478.)

481-6 (3,3) 19th Century European Philosophy. (a) Kant, Schopenhauer, and Hegel; (b) Nietzsche, Bergson, the Utilitarians, and latter day idealists. May be taken singly and in any sequence.

482-3 Recent European Philosophy. Phenomenology, Positivism, Linguistic Analysis, and Existentialism.

490-2 to 12 Special Problems. Hours and credits to be arranged. Courses for qualified seniors and graduates who need to pursue certain topics further than regularly titled courses permit. Special topics announced from time to time. Students are invited to suggest topics for individual study and papers or for group study. Consent of instructor in all cases required.

497-12 (4,4,4) Honors. Topic varies. Enrollment restricted to undergraduates. Prerequisite: consent of department.

500-2 to 4 Seminar in Metaphysics.

501-2 to 4 Seminar in the Philosophy of Religion.

515-3 Theory of Nature.

530-2 to 4 Seminar in Theory of Knowledge.

540-3 Philosophy of Journalism.

555-4 Philosophy of Higher Education.

570-3 Seminar in American Idealism.

581-2 to 4 Seminar in Plato.

582-2 to 4 Seminar in Aristotle.

585-3 Seminar in British Empiricism.

586-2 to 4 Seminar in Spinoza.

587-3 Seminar in Hegel.

588-2 to 4 Seminar in Kant.
589-2 to 12, 590-2 to 12 General Graduate Seminar.
591-1 to 5 Readings in Philosophy.
599-2 to 9 Thesis.
600-3 to 48 Dissertation.

Photography
(See also Cinema & Photography.)

Cinema and Photography courses provide the undergraduate student with a substantial background in the history, theory, and practice of photographic communication. The three specializations are structured to make available a strong foundation for both professional and educational careers in film and photography, to explore the social implications of still and moving pictures, and to provide opportunity for the study of both cinema and still photography as media for personal expression. In all instances, programs are tailored to the interests and career plans of the individual student.

Three fields of specialization are available to the student concentrating in photography: Cinema, Photography, Cinema/Photography. Students must successfully complete the core requirements and a minimum of 24 hours of work in other courses in their field of specialization. A grade of C is required in prerequisite courses and a 3.0 average must be maintained in cinema and photography courses in order to remain in the concentration.

Students purchase supplies for many cinema and photography courses. In courses which involve analysis and screening of a number of films, a screening fee is assessed. Lab fees may be required for certain other courses.

The University reserves the right to retain examples of the work of each student in each photography class and to make and retain prints of all films made as part of course work. Such photographs and films become part of a permanent departmental collection from which exhibitions may be prepared.

There is no required minor.

Bachelor of Science Degree, SCHOOL OF COMMUNICATIONS

Cinema

<i>General Studies Requirements</i> (Waive GSC-3.)	84
<i>Requirements for Concentration in Cinema</i>	48
Cinema and Photography 350, 351, 355, 356, 357, one 4-hour course in film history, and at least 24 additional hours selected from the following: 361, 362, 450, 456, 457, 458, 460, 461, 463, 470, 480	
<i>Electives</i>	60
<i>Total</i>	192

Photography

<i>General Studies Requirements</i> (Waive GSC-3.)	84
<i>Requirements for Concentration in Photography</i>	48
Cinema and Photography 310, 311, 313, 320, 321, 322, and at least 24 additional hours selected from the following: 403, 404, 405, 406, 407, 408, 409, 415, 418, 420, 421, 422, 457, 458, 480.	
<i>Electives</i>	60
<i>Total</i>	192

Cinema and Photography

<i>General Studies Requirements</i> (Waive GSC-3.)	84
<i>Requirements for Concentration in Cinema/Photography</i>	60
Cinema and Photography 311, 313, 320, 321, 322, 350, 355, 356, 357, and at least 24 additional hours in Cinema and Photography.	
<i>Electives</i>	48
<i>Total</i>	192

Physical Education

These courses are intended to qualify young people for positions as teachers, coaches, or specialists in public and private elementary or secondary schools, colleges, and universities as well as other social agencies which promote physical activity programs. They have been designed to meet the requirements of state departments of education and other agencies which have adopted professional standards.

Complete and integrated experience in teaching physical education and assisting in coaching under qualified supervisors is provided in the co-operating schools of the area. Added experiences are gained through membership in the Physical Education Club; membership in professional associations; participation on intramural teams; assisting in service class testing; professional journals; and working with recreational and school groups in teaching techniques of various activities.

Physical Education—Men

<i>Professors</i> John LeFevre, Ed.D.	James J. Wilkinson, P.E.D.
Edward J. Shea, Ph.D. (<i>Chairman</i>)	<i>Instructors</i> Larry Bell, M.S.
<i>Associate Professors</i> Ronald G. Knowlton, Ph.D.	Mark P. Bolick, M.S.
Glenn Martin, M.S.	Bill Brown, M.S.
<i>Assistant Professors</i> Kenneth J. Ackerman, M.S.	Walter T. Ellis, M.S.
Peter J. Carroll, M.S.	Raymond B. Essick, M.S.
C. C. Franklin, M.S.	John H. Hartman, M.S.
Larry A. Good, Ed.D.	Lewis Hartzog, M.S.
Norman C. Greene, M.S.	George Iubelt, M.S.
Lynn C. Holder, M.S.	Richard C. Jones, M.S.
William T. Meade, M.S.	Linn L. Long, M.S.
Robert R. Spackman, M.S.	Robert W. Mazie, M.S.
John W. Stotlar, D.P.Ed.	Ted Okita, M.A.
	Carl D. Reese, M.S.
	Richard E. Towers, M.S.

Bachelor of Science Degree, COLLEGE OF EDUCATION—MEN

<i>General Studies Requirements</i> (Waive GSA-3.)	84
<i>Requirements for Concentration in Physical Education</i>	52
GSA 301	3
Physical Education for Men 100-18, 101, 303, 305, 320, 341, 350, 354, 355, 370, 376, and one sport theory course ... (3) +	45
Physiology 300	4
<i>Professional Requirements</i>	20
<i>Secondary Concentration</i>	24
<i>Electives</i>	12
Recommended are Health Education 460, and Recreation and Outdoor Education 365.	
<i>Total</i>	192

Secondary Concentration—Men

A secondary concentration is 40 hours and must include 100–18, 303, 305, 350, 354, 370, 376, Physiology 300, and GSA 301.

Course Descriptions

100a–1 Methods of Teaching Swimming. Stresses techniques and methods of teaching applied to individual and group instruction. Basic strokes, underwater swimming, elementary diving, body and breath control, self support, and watermanship. Prerequisite for nonswimmers: audit beginner's swimming course.

100b–1 Methods of Teaching Golf. To prepare the student to teach the fundamental aspects of golf, with emphasis on adaptation to varied approaches in teaching.

100c–1 Methods of Teaching Tennis. Enables the student to acquire, through practice, the knowledge and skills necessary to teach this activity; includes consideration of desirable teaching materials to enhance instruction.

100d–1 Methods of Teaching Individual and Team Activities.

100e–1 Methods of Teaching Basic Rhythms.

100f–1 Methods of Teaching Exercise.

100g–2 Methods of Teaching Football. Individual instruction and practice in all the fundamentals of the game such as passing, kicking, blocking, tackling, running. Emphasis on effective methods of teaching and coaching.

100h–2 Methods of Teaching Basketball. Deals with individual and team fundamentals with special emphasis on passing, pivoting, shooting, dribbling, and variety of play patterns concerned with offense and defense. Basic methods of teaching and coaching.

100i–2 Methods of Teaching Baseball. Development of the practical skills and ability to teach and coach the techniques of batting, fielding, and playing the various positions in the game.

100j–2 Methods of Teaching Track and Field. Students gain practical experience as a foundation for learning the techniques of teaching the running and field events. Emphasis on individual analysis of movement.

100k–2 Methods of Teaching Gymnastics. To develop individual techniques in stunts and tumbling, calisthenics, parallel bars, side horses, trampoline, and high bar; fundamental skills, individual and group methods of instruction.

100m–2 Methods of Teaching Wrestling. Enables the student to master the fundamental skills of wrestling as well as to teach the individual and group methods of wrestling instruction.

101–2 Orientation Practicum in Physical Education. To introduce the student to his professional field, to enable him to secure a concept of the role of physical education in total education, and to crystallize his thinking in relation to vocational objectives. The significant historical aspects of physical education and its role in the broad cultural heritage in order to provide an interpretation and perspective to contemporary issues and developments. Freshman year.

170–2 Varsity Football.

171–2 Varsity Basketball.

172–2 Varsity Track.

173–2 Varsity Tennis.

174–2 Varsity Gymnastics.

175–2 Varsity Baseball.

176–2 Varsity Golf.

177–2 Varsity Swimming.

178–2 Varsity Cross Country.

179–2 Varsity Wrestling.

220–1 Recreational Activities and Games (Outdoor).

221–1 Recreational Activities and Games (Indoor).

230A–2 Classical Ballet. (See Theater 230A.)

230b–2 to 22 Intermediate and Advanced Ballet. (See Theater 230A.)

303–5 Kinesiology. Study of joint and muscle action as a basis for the mechanical analysis of human physical movement executed in daily life and in physical education activities and sports. Prerequisites: Physiology 300. GSA 301.

305–2 Physical Education for the Atypical Student. Deals with the recognition of physical deviations from the normal student and with the provisions of special or modified physical education or recreational activities for such students. Prerequisites: Physiology 300 and GSA 301.

306-1 Advanced Stunts and Tumbling.

307-1 Advanced Apparatus.

317-1 Life Saving and Water Safety.

320-4 Physiology of Muscular Activity. Immediate and long range effects of muscular activity on body systems. Integrative nature of body functions and environmental influences on human performance efficiency. Laboratory to be arranged. Prerequisite: GSA 301 and Physiology 300.

330a-2 Theory of Basketball Coaching. Different types of offense and defense studied; special emphasis given to early season conditioning and practice, offensive and defensive drills, team strategy, rules of the game. Prerequisite: 100h.

330b-2 Theory of Football Coaching. Deals with all phases of the game; offensive and defensive formation analyzed; strengths and weakness of each studied; various types of individual plays analyzed; rules discussed. Prerequisite: 100g.

331a-2 Theory of Swimming Coaching. Treatment of foundations and principles underlying coaching methods; comparative study differences in prevailing theories and methods; development of programs of training in pre-season, mid-season, and post-season of competition. Prerequisite: 100a.

331b-2 Theory of Baseball Coaching. A study of the strategy of the game; the conduct of daily practice; analysis of the rules and their application to play situations. Also effective methods of coaching for best results. Prerequisite: 100i.

331c-2 Theory of Track and Field Coaching. Theoretical concepts dealing with the effective performance in running and field events; special emphasis on methods of training for such events; methods of organizing and conducting track and field meets. Prerequisite: 100j.

331d-2 Theory of Wrestling Coaching. Prepares students to develop program of wrestling; includes comparative knowledge of problems, techniques, materials, and systems in coaching wrestling as well as the organization and administration of the wrestling program. Prerequisite: 100m.

331e-2 Theory of Tennis Coaching. Theory of advanced strokes, strategy and tactics, scheduling and conducting matches, tournaments, exhibitions and clinics; officiating; organizing and promoting development programs. Prerequisite: 100c.

331f-2 Theory of Gymnastic Coaching. Deals with all phases of gymnastics; organization of dual meets, championships, and exhibitional teams; practice schedules; care and purchase of equipment; development and evaluation of exercises and routines; techniques of judging. Prerequisite: 100k.

335-2 Administration of Aquatics. The organization, administration, and supervision of aquatic programs in institutional and community swimming pools and camp waterfronts; the construction, operation, and maintenance of pools and waterfronts; personnel and program problems.

341-3 Principles of Physical Education. An understanding of the scientific foundations of physical education as implied by the accepted principles of psychology, physiology, sociology, biology, educational method of philosophy, anatomy, kinesiology, and related areas. Senior year.

345a-1 Officiating of Fall Sports. Interpretation of rules in football, cross country, and soccer; techniques of officiating; code of ethics, for officials and players; problems of officiating. Officiating practice required.

345b-1 Officiating of Winter Sports. Interpretation of rules in basketball, wrestling, and swimming; techniques of officiating; code of ethics for officials and players; problems of officiating. Officiating practice required.

345c-1 Officiating of Spring Sports. Interpretation of rules in baseball, track and field, tennis and golf; techniques of officiating; code of ethics for officials and players; problems of officiating. Officiating practice required.

350-Methods and Materials for Teaching Physical Education Activities in the Elementary School. The organization and conduct of the program with special emphasis on program planning, evaluation of materials, observation and practice in creative rhythms, singing games, folk dancing, and games of low organization. Two hours lecture; 2 hours laboratory.

354-3 Organization and Administration of Physical Education and Athletics. The organization and conduct of the total program of physical education including interscholastic athletics based upon accepted educational policies and practices. Emphasis on problems of administration.

355-2 Assisting Techniques.

370-3 to 4 Tests and Measurements in Physical Education. Measurements as an aid in determining student needs, curriculum construction, teaching effectiveness, and the attainment of educational objectives. Includes the selection,

- administration, and interpretation of tests. Three hours lecture; 2 hours laboratory.
- 376-3 Care and Prevention of Athletic Injuries.** The theoretical and practical methods of preventing and treating athletic injuries; techniques of taping and bandaging; emergency first aid; massage; use of physical therapy modalities. Two hours lecture; 2 hours laboratory. Prerequisite: Physiology 300 and GSA 301.
- 377-1 Horseback Riding.**
- 378-1 Canoeing and Boating.**
- 400-4 Evaluation in Physical Education.** Historical background of measurement in physical education; selection and evaluation of contemporary testing devices; structure and use of tests; administering the testing program; and interpretation and application of results. Fulfills the tests and measurements course requirements for the Master of Science degree.
- 402-2 Organization and Administration of Intramural and Extramural Activities.** Planning intramural programs of sports; planning and coordinating extramural activities commonly associated with physical education.
- 403-4 The Adaptation of Physical and Recreational Activities to the Handicapped Individual.** Recognition of postural deviations; devising and planning programs for the physically atypical.
- 404-2 to 4 The Teaching of Sports.** Teaching methods, officiating, organization, safety precautions, and selecting equipment for sports.
- 406-4 Basic Concepts of Physical Education.** The place of physical education in the school program, and the concepts underlying the program. (Required of all students not presenting the undergraduate courses 354 or 340.)
- 407-4 Scientific Basis of Athletic Training.**
- 408-2 to 4 Workshop: Physical Fitness—Its Role and Application in Education.** Improvement of programs and teaching techniques involved in the development of various aspects of physical fitness. Units on postural status; body weight control; tension factors, causes, and control; exercise tolerance; and general body mechanics and control.
- 416-4 Current Theories and Practices in the Teaching of Dance.** (Same as Physical Education—Women 416 and Theater 416.) History and evolution of dance; place of dance in education.
- 475-2 to 4 Individual Research.** (Selected areas with 2 to 4 hours in each.)
- 500-4 Techniques of Research.**
- 501-4 Curriculum in Physical Education.**
- 502-4 Foundations of Motor Skills.**
- 503-4 Seminar in Physical Education.**
- 504-4 Research Problems in Physical Education.**
- 508-3 Administration of Interschool Athletics.**
- 509-4 Supervision of Physical Education.**
- 510-4 (2,2) Motor Development.**
- 511-2 Analysis of Human Physical Movement.**
- 513-4 Perceptual Motor Learning of Physical Skills.**
- 520-4 Metabolic Analysis of Human Activity.**
- 525-1 to 6 Readings in Physical Education.**
- 599-1 to 9 Thesis.**
- 600-2 to 48 Dissertation.**

Physical Education for Women

Professors Dorothy Davies, Ed.D. (Chairman)	Charlotte West, M.Ed.
Helen Zimmerman, Ph.D.	Winston G. Gray, Ph.D.
Associate Professor Marjorie Bond Potter, Ph.D.	Instructors Kay Brechtelsbauer, M.S. Sarah Davidson, M.S. Jacqueline Puhl, M.S.
Assistant Professors Dorothy Muzzey, M.S.	Assistant Instructor Margaret Clemens, Diploma
Jean Stehr, M.A.	Lecturer Shirley Wood, M.S.
JoAnne Thorpe, Ph.D.	

Bachelor of Science Degree, COLLEGE OF EDUCATION—WOMEN

General Studies Requirements (Waive GSA-3.)	84
Requirements for Concentration in Physical Education	58
Physical Education for Women 113, 114, 211, 212, 222, 224,	

228, 242, 244, 303, 304–10, 309, 350, 351, 352, 353, 354, 355, 370, plus three terms of pre-student teaching laboratory experience	50
Health Education 334, 460	8
<i>Secondary Concentration</i>	24
(Required for Standard High School Certificate; not required for Standard Special Certificate)	
<i>Professional Education Courses</i>	29
<i>Electives</i>	(13)
Physical Education for Women 317, GSE 144a,b,d,e,i,m,p ..	3
Physical Education for Women 311, 374, 376, GSE 113e	2
<i>Total</i>	195

Anyone who transfers from another university and wants to concentrate in physical education for women must complete a minimum of 15 hours in physical education senior college courses at Southern Illinois University.

Secondary Concentration—Women

<i>Requirements for a Secondary Concentration in Dance</i>	30
Physical Education for Women 309, 312, 213, 416, 273 (Public performance required)	18
One of Physical Education for Women 374, 222, GSE 113b, P.E. 232 or GSE 113a	3
Electives GSE 113e, P.E. 212, 230A, 230B, 240 or additional hours of 273; P.E. 304d, 379, 444, GSE 114p, GSC 203, 207, Theater 305, Music 346	9
<i>Requirements for a Secondary Concentration in Physical Education for the High School Teacher</i>	30
Health Education 334s	
Physical Education for Women 113, 222, 224, 228, 242, 304–8, 309, 353, 354, plus 2 additional activity courses and three terms of pre- student teaching laboratory experience.	
<i>Requirements for a Secondary Concentration in Physical Education for the Elementary School Teacher</i>	30
GSE 112, 113b,d	
Health Education 334s	
Physical Education for Women 304a,d, 309, 350 or 319, 353, 354, plus 3 additional activity courses and two terms of pre-student teaching laboratory experience.	

Course Descriptions

Basic Movement: 113.
Team Sports: 114, 224, 244.
Aquatics: 211, 271, 316, 317, 378.
Individual Sports: 216, 218, 228, 229, 328, 377.
Dance: 212, 222, 242, 272, 374, 376.
Officiating: 311.
Teaching Physical Education in Elementary School: 319, 350.
Teaching Physical Education in Secondary School: 301, 304, 360, 361, 362, 363.
Camping: 348.
Professional Courses: 303, 308, 351, 352, 353, 354, 355, 370.

113–1 Basic Movement.

114–1 Speedball. Techniques and team tactics.

211–1 Intermediate Swimming. Prerequisite: pass beginning swimming test.

212–1 Beginning Contemporary Dance. Fundamentals of movement and com-

position. A basic course culminating with experiences in contemporary dance composition.

216-1 Archery.

218-1 Intermediate Fencing. Prerequisite: GSE 114m.

222-1 Folk Dancing.

224-1 Basketball.

228-1 Tennis.

229-1 Intermediate Golf. Prerequisite: GSE 114e.

230A-2 Beginning Techniques of Classical Ballet. (See Theater 230A.)

230B-2 to 22 Intermediate and Advanced Ballet. (See Theater 230B.)

240-2 to 24 Theory and Technique of Contemporary Dance. Study of contemporary dance including muscular sensitivity, control of the dance instrument, exploration of time, space, shape, and motion leading to the development of aesthetic perception.

242-1 Square and Social Dance.

244-1 Hockey.

271-1 Sailing.

272-1 Tap Dance.

273-1 to 6 Dance Workshop.

301-2 Techniques of Teaching Recreational Sports. Analysis and methods of teaching badminton, deck tennis, volleytennis, table tennis, and other recreational sports.

303-5 Kinesiology. The mechanical analysis of physical education activities through the study of joint and muscle action. Prerequisite: Anatomy.

304-10 (2,2,2,2,2) Techniques of Teaching Sports. Methods of teaching, construction of daily lesson plans, and analysis of techniques. (a) soccer and volleyball; (b) hockey and speedball; (c) basketball; (d) tumbling, stunts, and gymnastics; (e) softball and tennis. Assistantship required during a,b,c,d, and e. Prerequisite: 114, 224, 228, or equivalent.

309-5 Methods of Teaching Dance. A course dealing with each of the various types of dance, including fundamental progressions, and composition in each type. Prerequisites: 212, 222 or equivalent.

311-2 (1,1) Theory of Officiating Basketball. Study of requirements of a nationally-rated official as set up by the Division for Girls' and Women's Sports. Must be taken in sequence.

312-4 History and Philosophy of Dance. The history and development of dance from primitive to contemporary forms.

313-4 Dance Production. Advanced dance techniques and choreography. Choreographic emphases including staging and production of dance. Prerequisite: GSE 113e or consent of instructor.

316-1 Advanced Swimming. Prerequisite: 211.

317-1 Life Saving and Water Safety. Techniques of Red Cross Life Saving and Water Safety. Prerequisite: pass intermediate swimming test.

319-4 Teaching Elementary School Group Activities. Study of age characteristics; planning of activity programs for all grade levels; techniques of teaching activities for elementary grades; fulfillment of the Illinois requirements for elementary school teachers. Prerequisite: Psychology 301 or Guidance 305.

328-1 Intermediate Tennis. Prerequisite: 228.

348-2 to 4 Camp and Community Leadership. Fundamentals of scouting, camping, and counseling. A weekend camping trip required.

350-5 Materials and Methods in Elementary Schools. For supervisors and teachers of physical education. Curriculum planning based on grade characteristics and educational philosophy, presentation of skills including skill tests, lead-up games, stunts and tumbling, games of low organization, creative rhythms, singing games, and folk dance.

351-4 Recreation and Physical Education for Atypical Handicapped Individuals. Techniques of physical examination; postural defects and their correction; activities suitable for the atypical; program building; and correlation of this program with the physical education curriculum.

352-2 History of Physical Education. A study of the background and development of physical education.

353-4 Organization and Administration of Physical Education. Criteria for the selection of activities; the organization of classes, the policies and the personnel; the physical plant and its upkeep; the planning, utilization, and care of equipment in the physical education program. Prerequisite: 354.

354-2 Principles of Physical Education. The scientific foundations applied to physical education.

355-3 Techniques of Teaching Swimming. Methods of teaching, analysis of

strokes, and devices for teaching swimming and life saving. Prerequisite: 211 or equivalent.

360-4 The Physical Education Program for Girls in Junior and Senior High Schools (workshop). Program planning, source materials, and selected physical activities.

361-1 to 4 The Teaching of Team Sports and Dance to Junior and Senior High School Girls (workshop). Techniques of teaching volleyball, basketball, soccer, and dance.

362-1 to 4 Teaching Basic Activities to Junior and Senior High School Girls. Teaching badminton, softball, basic movement, and recreational games.

363-1 to 4 Teaching a Sports Program for High School Girls (workshop). Designed for teachers in service who have provisional certificates.

369-4 Improving Teaching Through Testing (workshop). Teaching aids, diagnostic measures, practice and standardized tests for a variety of physical skills. Principles of programmed learning applied to psychomotor tasks.

370-3 to 4 Tests and Measurements in Physical Education. The theory of measurement in health and physical education, the selection and administration of appropriate tests, and the interpretation of results. Projects required.

374-1 Advanced Folk Dance. Prerequisite: 222.

377-1 Horseback Riding (fee required).

378-1 Canoeing and Boating. Prerequisite: pass swimming test (fee required).

379-3 Preclassic Dance Forms. (Same as Theater 379.) Lectures and readings in dance of the 16th, 17th, and early 18th centuries. Study and execution of representative preclassic dances. Prerequisite: 230 or 240.

400-4 Evaluation in Physical Education. Historical background of measurement in physical education; selection and evaluation of contemporary testing devices; structure and use of tests; administering the testing program; and interpretation and application of results. Fulfills the tests and measurements course requirements for the Master of Science degree.

402-3 Organization and Administration of Intramural and Extramural Activities. Planning intramural programs of sports; planning and coordinating extramural activities commonly associated with physical education.

403-4 The Adaptation of Physical and Recreational Activities to the Handicapped Individual. Recognition of postural deviations; devising and planning programs for the physically atypical.

404-4 The Teaching of Sports. Teaching methods, officiating, class organization, analysis of skills, and application of the principles of motor learning.

406-4 Basic Concepts of Physical Education. The place of physical education in the school program, and the concepts underlying the program. (Required of all students not presenting the undergraduate courses 354 or 340.)

407-4 Scientific Basis of Athletic Training. The theoretical and practical methods of preventing and treating athletic injuries.

408-2 to 4 Physical Fitness—Its Role and Application in Education. Improvement of programs and teaching techniques involved in the development of various aspects of physical fitness. Units on postural status; body weight control; tension factors, causes, and control; exercise tolerance; and general body mechanics and control.

415-4 Workshop in Gymnastics for Women. For undergraduates and graduates. Techniques and theory of teaching, coaching, judging official performances, conducting gymnastic meets, clinics, and demonstrations. Spotting and analysis of performance.

416-4 Current Theories and Practices in the Teaching of Dance. (See Physical Education—Men 416.)

420-4 Physiological Effects of Motor Activity. The general physiological effects of motor activity upon the structure and function of body organs; specific effect of exercise on the muscular system. Prerequisite: Physiology 209 or equivalent.

444-2 to 8 Contemporary Dance Workshop. Dance technique and theory, composition, improvisation, and production. Advanced study of the problems of choreography and production in their presentation as theater. Public performance is required. Prerequisite: 1 year of technique and theory or equivalent.

475-2 to 4 Individual Research. The selection, investigation, and writing of a research topic under supervision of an instructor. (a) dance; (b) kinesiology; (c) measurement; (d) motor development; (e) physiology of exercise, and (f) history and philosophy.

500-4 Techniques of Research.

- 501-4 Curriculum in Physical Education.
- 502-4 Foundations of Motor Skills.
- 503-4 Seminar in Physical Education.
- 504-4 Research Problems in Physical Education.
- 508-3 Administration of Interschool Athletics.
- 509-4 Supervision of Physical Education.
- 510-4 (2,2) Motor Development.
- 511-2 Analysis of Human Physical Movement.
- 513-4 Perceptual Learning of Physical Skills.
- 525-1 to 6 Readings in Physical Education.
- 599-1 to 9 Thesis.
- 600-2 to 48 Dissertation.

Physics

The undergraduate concentration in physics leading to the Bachelor of Arts degree provides for a mastery of basic principles and methods of classical and modern physics and for flexibility in application through a breadth of coverage of the field. Students considering a concentration in physics are urged to consult with the undergraduate adviser of the physics department.

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

General Studies Requirements (Waive GSA-3.) (Advanced Standing assumed.)	76
Supplementary Two-Year College Requirement in FL/Mathematics	
Mathematics: Mathematics 111-10 (or advanced standing) and Mathematics 150-10	20
Requirements for Concentration in Physics	87-88
GSD-FL (French, German, or Russian recommended) ... (9)	
Chemistry 115-5 ¹ and 121a-5, or 121a-5, and 121b-5, or 240-4	9-10
Mathematics 252-9, 305-6, 455c-3	18
Physics 111-9 and 112-3, or 206-9 and 207-3, or 211-9 and 212-3; 301, 304, 305, 307, 309, 310, 401, 404, 410a, 415-12, plus 4 hours from 311, 312, and 418	60
Electives	8-9
Recommended: Applied Science 300, 401, 418, 421, 422; Chemistry 235, 305, 460 or 461; Engineering 222, 313, 334, 352, 412a, 420, 459, 461; GSB 211, 311, 354, 361; Geology 416, 435; Mathematics 421, 452, 455, 475, 480, 483; Physics 405, 410b	
Total	192

¹ For students who do not pass a proficiency examination in chemistry.

Bachelor of Science Degree, COLLEGE OF EDUCATION

For this degree the requirements differ from those for the Bachelor of Arts degree in the following respects: No foreign language is required. Thirty-three hours of 300 or above physics courses, including 301, 305, 415-12 and 6 hours of laboratory courses selected from 307, 311, 312 and 418.

Secondary Concentration

A secondary concentration in physics requires 24 hours and must include Physics 111-9 and 112-3, or 206-9 and 207-3, or 211-9 and 212-3 and

two of the following: 300-4, 310-3 and 311-1, or 309-3 and 312-2 (no calculus prerequisite). Students having completed calculus may select 304-3, and those taking differential equations may select from 301-3 and 305a,b to meet requirements.

Course Descriptions

111-9 (3,3,3) College Physics. Designed for all students of the sciences but restricted to freshmen who can satisfy the mathematics prerequisite at the beginning of the fall quarter. Prerequisite: Advanced standing in Mathematics 111a.

112-3 (1,1,1) College Physics Laboratory. Three hours of laboratory per week. Prerequisite: concurrent enrollment in 111.

206-9 (3,3,3) College Physics. Designed to meet preprofessional requirements and the needs of all students in the sciences, except physics and engineering. Must be taken in a,b,c or a,c,b sequence.

207-3 (1,1,1) College Physics Laboratory. One 3-hour laboratory period per week, taken concurrently with 206.

211-15 (5,5,5) University Physics. Calculus for science, mathematics, and pre-engineering students. Laboratory. (a) Mechanics. (b) Mathematics and pre-engineering. (c) Electricity and magnetism. Must be taken in a,b,c or a,c,b sequence.

212-3 (1,1,1) University Physics Laboratory. Three hours per week. Prerequisite: concurrent enrollment in 211.

300-4 University Physics IV. (Same as Applied Science 300.) A continuation of 211 covering modern physics. Three lecture, two recitation and two laboratory hours per week. Prerequisite: 111, 206, or 211.

301-3 Mechanics. Intermediate theoretical particle mechanics using vector analysis. Prerequisites: 111a, 206a, or 211a; Mathematics 305a, or concurrent enrollment, or consent of instructor.

304-3 Thermodynamics. A macroscopic study of the thermal properties of matter and the laws of thermodynamics. Prerequisites: 111b, 206b, or 211b and Mathematics 252b.

305-6 (3,3) Introduction to Electric Theory. Vector treatment of the theory, electrostatics in vacua and in matter, steady currents, electromagnetism and quasi-steady currents. Prerequisites: 111, 206, or 211; Mathematics 305a, or concurrent enrollment, or consent of instructor.

307-2 Electrical Measurements. A laboratory course illustrating basic electrical and magnetic properties and emphasizing precision in their measurement. Prerequisite: 305b or concurrent enrollment.

309-3 Electric Circuits. Electron tube and transistor circuit principles with applications to radio receivers, transmitters, and power supplies. Prerequisite: 111c, 206c, or 211c.

310-3 Light. Light propagation and optical instruments: reflection, refraction, interference, diffraction, and polarization of light. Prerequisite: 111b, 206b, or 211b.

311-1 Optics Laboratory. Advanced experiments in geometrical and physical optics. Three laboratory hours per week. Prerequisite: 310 or concurrent enrollment.

312-2 Electric Circuits Laboratory. Laboratory studies of properties of electron tubes and transistors and basic circuits employing them in power supplies, amplifiers, and oscillators. Prerequisite: 309.

401-3 Mechanics. Rigid body mechanics, normal coordinates, mechanics of continuous media, and advanced principles. Prerequisites: 301, Mathematics 455c.

404-6 (3,3) Physical Electronics. Kinetic theory and statistical mechanics with applications to electronic conduction in solids, vacuum, and gases, electron emission and ballistics; Bose-Einstein and Fermi statistics, electron theory of metals; semiconductors; quantum physical phenomena of the solid state. Prerequisite: 304, 305, 401 (or consent of instructor).

405-3 Electronics. Advanced theory and application of vacuum tubes and semiconductor devices as circuit elements in power supplies, oscillators, amplifiers, and shaping circuits. Prerequisites: 305 and 309 or consent of instructor.

410-6 (3,3) Introduction to Electromagnetic Wave Theory. A theoretical study of electromagnetic wave generation, propagation, and detection, with applications to microwaves and modern optics. Prerequisites: 305, 310.

415-12 (3,3,3,3) Modern Physics. Elements of wave mechanics, special rela-

tivity, atomic, molecular, and nuclear physics. Prerequisites: 301, 305, Mathematics 455c (or consent of instructor).

418-1 to 4 Modern Physics Laboratory.

420-2 to 5 Special Projects. Each student is assigned to a definite investigative topic. Adapted to advanced undergraduate students. Prerequisite: 301, 305.

447-5 Topics in Classical Physics. Assists experienced teachers to improve their understanding of classical physics and the strategy of presenting it. Emphasis on demonstration of phenomena as basic strategy in the introduction of new material. Attention given to the design of demonstration apparatus. Related laboratory experience is an integral part of the course. Prerequisite: consent of department.

448-5 Topics in Modern Physics. Assists experienced teachers to extend their understanding of modern physics. Lectures and demonstrations aim at improvement of the means of presenting the ideas of modern physics. Related laboratory experience is an integral part of this course. Prerequisite: consent of department.

449-3 (1,1,1) In-Service Institute for Teachers of Physics. A series of lectures, demonstrations, discussions, and films to assist teachers of high school physics in meeting their classroom problems and responsibility. Prerequisite: consent of department.

504-12 (4,4,4) X-Ray Diffraction and Lattice Dynamics.

510-9 (3,3,3) Classical Mechanics.

511-9 (3,3,3) Mathematical Methods of Physics.

520-2 to 5 Special Projects.

530-9 (3,3,3) Electromagnetic Theory.

531-9 (3,3,3) Quantum Mechanics.

532-9 (3,3,3) Advanced Quantum Mechanics.

540-9 (3,3,3) Nuclear Physics.

550-9 (3,3,3) Atomic and Molecular Spectra.

560-9 (3,3,3) Statistical Mechanics.

570-9 (3,3,3) Solid State Physics.

575-1 to 4 Graduate Seminar.

580-3 to 6 Selected Topics in Physics.

590-1 to 9 Thesis.

592-1 Colloquy in Molecular Science.

599-1 to 9 Thesis.

600-1 to 48 Dissertation.

Physics and Astronomy

<i>Professors</i> Martin J. Arvin, Ph.D.	Robert N. Zitter, Ph.D.
Charles J. Brasefield, Ph.D. (<i>Emeritus</i>)	<i>Assistant Professors</i> Charles M. Bowden, Ph.D.
John O'Dwyer, Ph.D.	Jason J. Collins, M.S.Ed.
Richard Watson, Ph.D.	John Daniel Cutnell, Ph.D.
Otis Young, Ph.D. (<i>Emeritus</i>)	Gerald Lefebvre, M.S.
John R. Zimmerman, Ph.D. (<i>Chairman</i>)	Richard Linster, Ph.D.
<i>Associate Professors</i> Walter Henneberger, Ph.D.	John J. Sullivan, Ph.D.
William Nickell, Ph.D.	Charlotte Zimmerschied, M.A. (<i>Emerita</i>)
Mykola Saporoschenko, Ph.D.	<i>Instructor</i> John C. Carroll, Ph.D.

Physiology

<i>Professors</i> Florence M. Foote, Ph.D.	Richard V. Lee, M.D.
George H. Gass, Ph.D.	Joseph P. Miranti, M.D.
Harold M. Kaplan, Ph.D. (<i>Chairman</i>)	<i>Assistant Professor</i> Donald M. Miller, Ph.D.
Alfred Richardson, Ph.D.	
<i>Associate Professors</i> Tom T. Dunagan, Ph.D.	<i>Adjunct Professor</i> Eli L. Borkon, M.D.

<i>Supplementary Two-Year College Requirement in FL/Mathematics</i> 18–20	
Mathematics 111–10, and 150–10	
or	
GSD FL–9, and FL 201–9	
<i>Requirements for Concentration in Physiology</i>	72
Physiology electives selected in consultation with the chair-	
man to total at least 42 hours	42
A background of basic courses in chemistry, mathematics, and	
physics is required. Core courses in Biology 305, 306, 307,	
308 involving 16 hours and other courses in zoology up to	
30 hours are required	
30	
<i>Electives</i>	16–18
<i>Total</i>	192

Secondary Concentration

A secondary concentration in physiology requires a minimum of 24 hours.

JUNIOR—SENIOR HONORS PROGRAM

Students who, as sophomores, have shown outstanding ability in GSA 201 series or core curriculum in biological sciences may be accepted into the Honors Program in their junior year. Honors students engage in independent research in Physiology 456 during their junior and senior years.

Course Descriptions

200–3 Occupational Therapy Orientation. A survey and history of the field. The uses, techniques and philosophies of occupational therapy and its role in the treatment of disease and in rehabilitation. Three hours lecture per week.

300–4 to 5 Human Anatomy. Lectures, demonstrations, and periodic observation of the prosected body. Lectures confined to bones, joints, muscles, and nerves. Primarily for students in physical education. Four hours lecture per week for 4 quarter hours of credit. One section, 300b, is reserved chiefly for nursing, mortuary science, and some biology students. All bodily systems are reviewed. Four lecture and 2 laboratory sessions per week earn 5 quarter hours in the 300b section.

GSA 301–4 Principles of Physiology.

GSA 302–3 Psychobiological Foundations of Behavior.

315–15 (5,5,5) Advanced College Physiology. Lectures emphasize mammalian and human physiology whereas the laboratory involves function throughout the vertebrate classes. (a) Blood, circulation, and respiration; (b) digestion, excretion, and endocrines; (c) muscles, nervous system, and sense organs. Three hours lecture and 4 hours laboratory per week. Prerequisite: GSA 201c and 5 hours of chemistry.

345–3 Black Social Philosophy. Investigation of the social philosophy of such thinkers as Martin Luther King, Jr., Malcolm X, and Eldridge Cleaver. Emphasis on concepts and issues of particular relevance for Black Americans. Prerequisite: junior standing or permission of department.

410–15 (5,5,5) Advanced Anatomy. Dissection of the human body. Primarily for students with a concentration in physiology and other biological sciences. Not a premedical course. Two hours lecture, 6 hours laboratory.

414–4 Anatomy and Physiology of Speech and Hearing Mechanisms. The anatomy and physiology of the vocal apparatus. Primarily for students with a concentration in speech pathology. Three hours lecture, 2 hours laboratory.

415–8 (4,4) Experimental Animal Surgery. Preparation of animals for surgery. Anesthesia, instruments, care of animal quarters, selected exercises. Two hours lecture, 4 hours laboratory. Part b may be elected independently of a.

417–6 (3,3) Principles of Pharmacology. Action of drugs and other chemical substances upon the living organism. Physiological and biochemical events resulting from the action of drugs. Pharmacodynamics, chemo-therapy, toxicology, and therapeutics. Prerequisites: basic courses in chemistry and biological sciences. Two hours lecture, 2 hours laboratory.

430–12 (4,4,4) Cellular Physiology. The nature and mechanism of the living

- cell. Chemical and physical aspects of vital activity. Required for graduate majors in physiology. Recommended for students interested in biochemistry and biophysics. Three hours lecture, 2 hours laboratory.
- 433-4 Comparative Physiology.** Fundamental physiological processes and the manner in which they vary in various groups of animals. Recommended for a concentration in physiology and for students in other biological sciences. Three hours lecture, 2 hours laboratory.
- 440-3 Electron Microscopy.** Lectures, demonstrations, and practical experience with the electron microscope. Fundamentals of specimen preparation. Open to students with advanced knowledge of any natural or physical sciences. Two hours lecture, 2 hours laboratory.
- 450-4 to 16 Special Problems in Physiology.** Selected problems in various aspects of physiology. Eight hours laboratory. Prerequisite: consent of department.
- 460-12 (4,4,4) Mammalian Physiology.** Function and biochemical organization in mammals, especially man. Open to students with adequate courses in biological sciences and chemistry. (a) blood, circulation, respiration; (b) digestion, excretion, endocrines; (c) nervous system sense organs. Three hours lecture, 4 hours laboratory.
- 465-9 (3,3,3) Biophysics.** Fundamentals including physics in biological systems and the effects of the physical environment on living organisms. Prerequisite: 3 terms biology, 3 terms physics.
- 471-9 (3,3,3) Biophysical Instrumentation.** Principles of electronics, accenting solid state circuit designs that apply to biophysics. Includes circuit construction for biophysical instruments. Prerequisite: 1 year of physics and consent of instructor.
- 500-1 to 9 Advanced Seminar.**
- 519-3 Experimental Endocrinology.**
- 520-9 (3,3,3) Physiological Technics.**
- 521-1 to 6 Readings in Current Physiological Literature.**
- 540-8 (4,4) Advanced Comparative Physiology.**
- 550-3 Radiation Biology.**
- 565-3 Biophysics.**
- 599-3 to 9 Thesis.**
- 600-4 to 36 Doctoral Dissertation.**

Plant Industries

<i>Professors</i> Alfred B. Caster, Ph.D.	Jesse M. Rawson, Ph.D.
J. K. Leasure, Ph.D. (<i>Chairman</i>)	Lowell R. Tucker, Ph.D. (<i>Emeritus</i>)
James B. Mowry, Ph.D.	<i>Assistant Professors</i> Donald M. Elkins,
Herbert L. Portz, Ph.D.	Ph.D.
Joseph P. Vavra, Jr., Ph.D.	James A. Tweedy, Ph.D.
<i>Associate Professors</i> Gerald D. Coorts,	<i>Instructor</i> George Kapusta, M.A.
Ph.D.	
Irvin G. Hillyer, Ph.D.	<i>Adjunct Professors</i> Roland C. Blake,
Joe H. Jones, Ph.D.	Ph.D.
Oval Myers, Jr., Ph.D.	John W. Hull, Ph.D.

The Department of Plant Industries includes crop production, horticulture and soils. There are many widely varied opportunities for students with an interest in plants or soils. A student may choose a general option within the department and select most of his upper division credits from a wide choice of electives throughout the School of Agriculture and the University. If his interests are more specialized, he may elect the science option and concentrate in one particular area, or he may elect an option which permits him to combine a broad background in plants and soils with selected business courses and business related electives. A course of study in international agriculture can be taken in any of these options if the student so desires.

Opportunities for individual studies, work in special problems, and seminars are available and students in all options are urged to make use of them to meet the goals and needs of their respective programs.

Bachelor of Science Degree, SCHOOL OF AGRICULTURE

<i>General Studies Requirements (Waive GSA-3.)</i>	84
<i>Requirements for a Concentration in Plant Industries</i>	60-66

	GENERAL	SCIENCE	BUSINESS
Agricultural Industries 204, 350 ..	9	—	—
Animal Industries 121, 315	9	—	—
Courses in two other departments in agriculture	—	7	7
Plant Industries 109, 264, 301 ...	13	13	13
Other Plant Industries courses ..	14	14	14
Other agriculture electives	15	8	8
Mathematics, physical sciences, or biological sciences	—	24	—
Accounting 250; Management 271, 301, or 340; Marketing 301, or Agricultural Industries 354 ...	—	—	11-12
Business electives and supporting courses	—	—	12-13
<i>Electives</i>	48	42	42
<i>Total</i>	192	192	192

Course Descriptions

109-4 Principles of Field Crop Production. Plant development and production of important field crops emphasizing crops of the midwestern United States, plant classification and botanical structure; essential plant processes; crop ecology; crop improvement; seeds and seeding; crop production practices. Field trip.

259-3 to 60 Technology in Agriculture. This is a designation for credit earned in technical or occupational proficiency when credit is to be established (by departmental evaluation) for work above the high school level. Prerequisite: transfer from two-year program.

264-4 General Horticulture. General principles of plant propagation, vegetable growing, fruit growing, landscape gardening, and floriculture. Field trip. Seniors cannot enroll without consent of department.

301-5 Soil Science. (See Forestry 301.)

302-3 to 4 Advanced Soil Science. Basic principles of soil physics, chemistry and fertility as they relate to plant production. Prerequisite: 103 or 301.

304-4 Landscape Design. Theory and principles of landscape design for the modern home. Property selection and climate control. Modern methods of property planning including the completed landscape plan and selection of plants.

306-5 (3,2) Soil and Water Conservation. (Same as Agricultural Industries 306.) (a) The study of the theoretical factors affecting soil erosion and excessive water run-off, including practices of water management and soil conservation. Prerequisite: one course in soils; (b) Laboratory. Practical structure methods of controlling water run-off and soil erosion. Prerequisite: 306a or concurrent enrollment.

309-4 Field Crop Production. Principles of growth and production of common field crops: cereals, forages, and miscellaneous crops; growth characteristics; adaptation; improvement; culture; diseases and insects and their control; utilization. Field trip. Prerequisite: GSA 201b.

310-4 Morphology of Crop Plants. Cellular structure, vegetative and reproductive development, and gross morphology of the major crop plants. Utilization of crop plant parts. Prerequisite: GSA 201b or equivalent.

315-4 Plant Genetics. Principles of genetics and evolution of plants. Prerequisite: GSA 201b.

316-4 Small Fruits. Production of strawberries, brambles, grapes, and miscellaneous small fruits. Field trips. Prerequisite: GSA 201b or concurrent enrollment or consent of department.

317-4 Insect Pests and Their Control. (See Zoology 316.)

324-4 Orchardring. Commercial tree fruit growing, physiology, orchard practices, pest control, harvesting, and marketing. Field trips. Prerequisites: 264, GSA 201b or concurrent enrollment.

344-4 General Floriculture. Principles governing production, timing, and marketing of the major floricultural crops grown in the greenhouse. Field trips. Prerequisite: 264.

GSA 345-3 Economic Botany.

347-3 Garden Flowers. Culture, identification, and use of flowering bulbs, annuals, biennials, and perennials in the home flower garden. Prerequisite: GSA 201b or consent of department.

359-3 to 5 Intern Program. Work experience program in either an agricultural agency of the government or agri-business. Prerequisite: junior standing.

381-1 to 2 Plant Science Seminar. Recent scientific developments in the field of plant science. Limited to senior students.

390-1 to 6 Special Studies in Plant Industries. Assignments involving research and individual problems. Prerequisite: consent of chairman.

391-1 to 6 Honors in Plant Industries. Independent undergraduate research sufficiently important to require 3 hours per week of productive effort for each credit hour. Prerequisite: junior standing, GPA of 4.0 with a 4.25 in the major, and consent of department chairman.

401-4 Soil Physics. Physical properties of the soil; factors affecting them, their measurements, evaluation, and influence in determination of soil productivity. Prerequisite: 301.

402-4 Soil Morphology and Classification. Morphology and soil formation, description and identification of soil profiles, classification of soils, techniques of soil mapping, and interpretation of survey data. Field trips cost approximately \$6.00. Prerequisite: 301.

403-4 Soil Chemistry. Inorganic and organic colloids, ionic exchange, oxidation-reduction processes, acidity, alkalinity, and salinity, and how each relates to plant nutrition and growth. Prerequisite: 301.

404-3 Turf Management. Principles and methods of establishing and maintaining turf for homes, recreational areas, and public grounds. Study of basic plant and soil materials, fertility, culture, water management, and pest control as related to turf-grasses in variable environments. Field trips. Prerequisite: GSA 201b or equivalent; course in soils recommended.

406-5 Radioisotopes, Principles and Practices. Basic characteristics of radioactive materials and detection systems. Application of radioisotope technology to biologically related sciences, such as agriculture; includes requisite health physics safety practices. Prerequisite: Biochemistry, or physiology, or consent of department.

407-5 (3,2) Fertilizers and Soil Fertility. (a) Lecture. The uses of fertilizer material; effects of various fertilizers on soils and crops; fertility maintenance and soil management. Prerequisite: one course in soils; (b) Laboratory. The laboratory study of the chemistry and fertility of soils. Parallels the theoretical presentation given in 407a. Prerequisite: 407a or concurrent enrollment.

408-4 World Crop Production Problems. Ecological and physiological factors influencing production in various areas of the world. Natural limitations on crop production. Non-agricultural factors influencing world crop output.

415-4 Plant Breeding. Principles of plant breeding emphasized together with their application to the practical breeding of horticultural, agronomic, and forest plants. Prerequisite: any course in genetics.

418-4 Weeds and Their Control. Losses due to weeds, weed identification and distribution, methods of weed dissemination and reproduction. Mechanical, biological, and chemical control of weeds. State and federal legislation pertaining to weed control herbicides. Herbicide commercialization. Field trips. Prerequisite: GSA 201b or concurrent enrollment.

419-4 Forage Crop Management. Forage crop production and utilization; forage crop characteristics, breeding, and ecology; grasslands as related to animal production, soil conservation, crop rotation, and land use. Field trip costs approximately \$3.00. Prerequisite: GSA 201b.

424-5 (3,2) Soil Microbiology. (a) Lecture. A study of the numbers, characteristics, and biochemical activities of soil micro-organisms, with particular consideration of their role in the transformations of organic matter, nitrogen, and minerals as related to soil fertility and management. Prerequisite: one course in Microbiology or soils; (b) Laboratory. Experiments designed to determine numbers, and to study the characteristics and biochemical activities of

the soil microflora as related to fertility. Prerequisites: 424a, or concurrent enrollment, Microbiology 301.

437-4 Commercial Vegetable Production. Culture, harvesting, and marketing of commercial vegetables. Field trips cost approximately \$3.00. Two hours laboratory. Prerequisite: 264 or consent of department.

438-3 Advanced Studies in Vegetable Crops. Genetics, morphological, and physiological factors influencing the production of vegetable crops. Offered in alternate years. Prerequisite: 264, Botany 320 or consent of department.

440-4 Plant Propagation. Fundamental principles of asexual and sexual propagation of horticultural plants. Actual work with seeds, cuttings, grafts, and other methods of propagation. Prerequisites: 264, GSA 201b or consent of department.

506-2 Laboratory Methods for Radioisotopes.

507-3 Advanced Soil Fertility.

518-4 Principles of Herbicide Action.

520-1 to 6 Readings.

533-3 to 4 Growth and Development in Plants.

575-1 to 6 Research.

581-1 to 6 Seminar.

590-1 to 4 Special Studies in Plant Industries.

599-1 to 9 Thesis.

President's Scholars

Course Descriptions

111-0 Freshman Honors Colloquium. Open to freshman in the 90th percentile on SIU predicted grade point average.

251-12 (3,3,3,3) Honors Seminar. Prerequisite: President's Scholar status.

351-9 (3,3,3) Honors Seminar. Prerequisite: President's Scholar status.

399-2 to 6 Honors Paper. Preparation of honors paper under joint supervision of President's Scholar program and a faculty member of a subject-matter department. Prerequisite: consent of department and President's Scholars Program.

499-3 to 9 Undergraduate Honors Thesis. Preparation of honors thesis under supervision of a committee consisting of one or more faculty members in appropriate disciplines and a representative of the President's Scholar Program. Prerequisite: consent of department and the President's Scholars Program Committee.

Psychology

Research Professor Noble Kelley, Ph.D.

Professors Gene Jerome Brutton, Ph.D.

David Ehrenfreund, Ph.D. (*Chairman*)

Jack W. Graham, Ph.D.

Alfred Lit, Ph.D.

Guy A. Renzaglia, Ph.D.

Donald J. Shoemaker, Ph.D.

William C. Westberg, Ph.D.

Associate Professors Sheldon Alexander, Ph.D.

Neil A. Carrier, Ph.D.

Vincent A. Harren, Ph.D.

Clayton E. Ladd, Ph.D.

Jefferson F. Lindsey, Ed.D.

James H. McHose, Ph.D.

Gordon F. Pitz, Ph.D.

Gordon Rader, Ph.D.

Janet E. Rafferty, Ph.D.

Eugene L. Ringuette, Ph.D.

Thomas R. Schill, Ph.D.

Edward S. Sulzer, Ph.D.

Assistant Professors Stanley L. Brodsky, Ph.D.

Jacob T. Evanson, Ph.D.

Dorothy Gampel, Ph.D.

James Hill, Ph.D.

Robert A. Levitt, Ph.D.

Donald MacLean, Ph.D.

Donald Meltzer, Ph.D.

James P. O'Donnell, Ph.D.

Thomas Purcell, Ph.D.

Robert C. Radtke, Ph.D.

Instructor Richard Raynard, B.S.

The undergraduate concentration in psychology is primarily aimed at providing broad general education rather than specialized professional training in psychology; to become a professional psychologist the student must usually complete from two to four years of postgraduate study.

<i>Bachelor of Arts Degree</i> , COLLEGE OF LIBERAL ARTS AND SCIENCES	
<i>General Studies Requirements</i> (Waive GSB-3.)	84
<i>Supplementary Two-Year College Requirement in FL/Mathematics</i>	18–20
Mathematics 111–10, and 150–10	
or	
GSD FL–9, and FL 201–9	
<i>Requirements for Concentration in Psychology</i>	40
GSB201c, GSA301	(8)
Mathematics 111	(10)
Psychology 211	8
Psychology electives: At least two courses from 301, 303, 304, 305, 307, 320, 322; any two courses from 311, 312, 313, 314; any two courses from 404, 407, 408, 421, 431, 440, 451, 461, 465, 490; and any two additional courses from those listed above	32
<i>Electives</i>	48 or 50
<i>Total</i>	192

Secondary Concentration

Twenty-four hours are required for secondary concentrations.

Junior–Senior Honors Program

A small number of students are selected each year for the honors program. Selection criteria are promising academic performance (4.0 overall GPA and 4.25 psychology GPA minimum), expressed interest, and recommendation of department adviser. Students selected register for 399a (junior honors) or 399b (senior honors) during each quarter in the program. Emphasis on small seminar and individual research work by the student.

Course Descriptions

- 211–8 (4,4) Principles and Methods of Psychology.** An introduction to the experimental methods utilized in the study of behavior. (a) The application of methods to the study of sensation, perception, and learning; (b) the analysis and interpretation of data. Lecture and laboratory. Prerequisite: GSB 201c.
- 301–4 Child Psychology.** A study of the biological and psychological development of the child from birth through puberty, and of relevant research methods and results. Prerequisite: GSB 201c.
- GSA 302–3 Psychophysiological Foundations of Behavior.**
- 303–4 Adolescent Psychology.** Examines the physical and psychological development of the adolescent, and the relevance of childhood development to adolescent problems. Prerequisite: GSB 201c.
- 304–4 Psychology of Maturity and Old Age.** A consideration of psychological factors in later maturity and old age and their concomitant problems, both individual and societal. Prerequisite: GSB 201c.
- 305–4 Psychology of Personality.** A study of the inferred patterns underlying an individual’s unique reactions to his environment. Investigates the motivations, development, and methods of changing these patterns, and how personality processes are studied. Prerequisite: GSB 201c.
- 307–4 Social Psychology.** Introduction to the study of the individual’s interaction with his social environment. Considers problems of social learning, attitude formation, communication, social influence processes and group behavior. Prerequisite: GSB 201c.
- 311–4 Experimental Psychology: Learning.** Investigates the processes governing behavioral change. Experimental studies of conditioning, memory, and forgetting will be emphasized. Laboratory work will include the design and

conduct of experiments with humans and animals. Lecture and laboratory. Prerequisite: 211a,b.

312-4 Experimental Psychology: Perception. Investigates the variables influencing an organism's stimulation by his environment. The structure and operation of the sense organs as well as complex perceptual phenomena are examined in lectures and laboratory. Prerequisite: 211a,b.

313-4 Experimental Psychology: Motivation. An examination of both biological and social variables influencing the activation, direction, and maintenance of behavior. Laboratory work will examine the effects of motivation upon behavior. Lecture and laboratory. Prerequisite: 211a,b.

314-4 Experimental Psychology: Comparative and Physiological. An examination of the physiological and phylogenetic variables affecting behavior. The laboratory will involve work with different types of organisms, emphasizing physiological concomitants of behavior. Lecture and laboratory. Prerequisite: 211a,b.

320-4 Industrial Psychology. A study of the use of psychological methods in the analysis of human factors problems in business and industry. Prerequisite: GSB 201c.

322-4 Personnel Psychology. A study of the use of psychological methods in the selection, placement, and evaluation of personnel in business and industry. Prerequisite: GSB 201c.

323-4 Psychology of Employee Relations. Job satisfaction and morale, psychological aspects of labor relations, interviewing methods, and human relations training. Lecture. Prerequisite: GSB 201c.

399a-1 to 9, 399b-1 to 12 Research and Investigation: Honors. Intensive study in selected areas for students qualified for honors work in psychology. A research paper or equivalent will be required. Prerequisite: consent of chairman. (a) For juniors. (b) For seniors.

404-4 Theories of Perception. An examination of the different theories concerned with an organism's sensory contact with his environment. Physiological, social, and organizational theories of perception will be considered. Prerequisite: 312 or consent of instructor.

407-4 Theories of Learning. Consideration of contemporary theories and their relation to experimental data. Prerequisite: 211a, b or consent of instructor.

408-4 Theories of Motivation. Systematic analysis of the concept of motivation with emphasis on its utility as an explanatory component of general behavior theory. Prerequisite: 211b or consent of instructor.

414-4 Advances in Physiological Psychology. Reading and discussion of articles dealing with recent significant advances in the neuroendocrine bases of behavior. Prerequisite: 314 or consent of instructor.

421-4 Psychological Tests and Measurements. Principles of psychological measurement, including errors of measurement, techniques for estimating reliability and validity, techniques of test construction, and problems in assessment and prediction. The laboratory will include the use of selected instruments. Lecture and laboratory. Prerequisite: 8 hours of psychology.

425-4 Mathematical Psychology. Survey of mathematical models of behavior, elementary models of learning, perception, and decision making. Prerequisite: Mathematics 480a, 421a, 410a or consent of instructor.

431-4 Psychopathology. Classification, description, etiology and treatment of the disorders of personality organization and behavioral integration. Observations in a state mental hospital setting. Prerequisite: 305 or consent of instructor.

440-4 Theories of Personality. A review and critical evaluation of major personality theories and their supporting evidence. Prerequisite: 305 or consent of instructor.

451-4 Advanced Child Psychology. An examination of the concepts, methods, and problems of human development with consideration of both its psychological and psychosocial aspects. Prerequisite: 211b, 301 or consent of instructor.

459-4 Theory and Practice in the Preschool. Designed for those in nursery education and related fields. Examines the variety of topics and provides lectures, demonstrations, and practicum experience in the child study cooperative nursery. Prerequisite: consent of instructor.

461-4 Advanced Social Psychology. Examines current areas of interest in the study of social behavior: language behavior, communication, social influence, attitude change, interpersonal perception, etc. Emphasis is on the individual in the social context. Prerequisite: 307 or consent of instructor.

465-4 Group Dynamics and Individual Behavior. Examination of research and

theory in the area of small-group interaction. Examines such topics as group structure and function, group-solving, leadership, etc. Prerequisite: 307 or consent of instructor.

490-1 to 16 **Independent Projects.** Independent readings and projects in psychology. Prerequisite: consent of instructor and chairman.

495-1 to 18 **Seminar: Selected Topics.** Varied content. To be offered from time to time as need exists and as faculty interest and time permit. Prerequisite: consent of department.

509-4 **Instrumentation in Behavioral Science.**

510-4 **History and Systems.**

512-4 **Sensory Processes.**

514-8 (4,4) **Physiological Psychology.**

516-4 **Learning Processes.**

522-4 **Research Design and Inference III.**

523-2 **Research Seminar.**

524-4 **Multivariate Methods in Psychology.**

525-4 **Mental Test Theory.**

526-4 **Experimental Design in Psychology.**

530-4 **Personality Theory and Dynamics.**

531-2 to 4 **Advanced Psychopathology.**

532-2 **Experimental Approaches to Personality.**

533-3 **Experimental Approaches to Psychopathology.**

536-4 **Fundamentals of Counseling.**

537-4 **Counseling and Psychotherapy.**

538-2 **Group Psychotherapy.**

539-4 **Experimental Approaches to Psychotherapy.**

541-4 **Psychodiagnostics I.**

543-6 (4,2) **Psychodiagnostics II.**

545-2 **Psychodiagnosis III.**

547-4 **Assessment Procedures in Counseling.**

552-4 **Experimental Child Psychology.**

554-2 **Developmental Theory.**

556-2 **Psychological Treatment of the Child.**

561-4 **Social Influence Processes.**

562-4 **Observational Techniques and Content Analysis.**

564-4 **Communication and Group Behavior.**

571-4 **Industrial Motivation and Morale.**

572-4 **Industrial Training.**

573-2 **Selection and Placement.**

574-2 **Psychology of Industrial Relations.**

576-2 to 4 **Human Engineering.**

579-4 **Animal Behavior.**

581-4 **Psychophysical Methods.**

590-1 to 16 **Readings in Psychology.**

591-1 to 36 **Research in Psychology.**

593-1 to 18 **Practicum in Psychology.**

595-1 to 18 **Advanced Seminar.**

598-2 **Ethical and Professional Problems in Psychology.**

599-1 to 9 **Thesis.**

600-1 to 45 **Dissertation.**

Radio-Television

<i>Associate Professor</i> Buren C. Robbins,	E. Walter Richter, M.A.
M.A. (<i>Acting Chairman</i>)	Marvin Rimerman, D.S.Sc.
<i>Assistant Professors</i> Homer Eugene Dybvig, M.F.A.	<i>Lecturers</i> Byron Bartlett, M.A.
Charles T. Lynch, M.A.	Paul J. Dugas, M.A.

Bachelor of Science Degree, SCHOOL OF COMMUNICATIONS

<i>General Studies Requirements</i>	84
<i>Requirements for Concentration in Radio-Television</i>	48
Radio-Television 161, 251, 252, 260, 351, 352, 363, 364, 373, 374 (8-12), 383, 393, and electives to total 48 hours	
<i>Secondary Concentration in a Related Area</i>	24

<i>Electives</i>	32
<i>Total</i>	192

Each student with a concentration in Radio-Television must by the end of his sophomore year:

1. Either achieve a grade of *B* in both GSD 101 and 102 or a grade of *C* in English 390.
2. Either demonstrate proficiency in typing at 30 words per minute by passing a test administered by the Department of Secretarial and Business Education, or pass Secretarial and Business Education 201a with a grade of *B*.

Course Descriptions

161-4 Radio-Television Speaking. Oral and visual speaking techniques for various radio and television speaking situations such as studio announcing, musical and dramatic programs, interviews and newscasts. Extensive microphone and on-camera practice. Audio and video tape recording sessions, as well as radio and TV studio facilities for practice and performance.

251-3 Survey of Broadcasting. Examinations of the history of the American system of broadcasting, including discussions of the industry, network structure, and local station, organization and economics. Similar examination of various systems of foreign broadcasting.

252-3 Broadcast Production Analysis. A comprehensive examination of requirements and techniques of effective broadcast productions, both radio and television, with specific production improving procedures. A basic requirement for those who would create and write effective broadcast productions of any magnitude, whether for commercial or educational broadcasting.

260-1 Audio Control Room Practices. Familiarization with and operation of Radio and Television Audio Control Room equipment, such as audio control consoles, turntables, tape recorders and microphones (types, and proper placement). This course also includes familiarization and operation of remote broadcasting equipment and facilities. Preparation for FCC Third Class License with broadcast endorsement. Recommended for Radio-TV Concentrations only.

310-3 Radio-TV News. (Same as Journalism 310.) The basic techniques of writing, re-writing, and editing news from local and wire service sources, for presentation on radio and television. Actual practice with the WSIU and WSIU-TV facilities are stressed. Prerequisite: Journalism 203, 301, 302, and 303.

351-5 Programs and Audiences. The structure of broadcast programs, programming objectives, audience characteristics, analysis methods, preparation of station program schedules. Development, organization and planning of new programs within limitations of budgets and local situations. Program revising. Prerequisite: 251.

352-4 Broadcast Laws and Policies. Legal aspects of broadcasting in America. Precedent legal cases and actions by the Federal Communications Commission. Industry and network codes. International agreements. Prerequisite: 251.

360-3 Radio Announcing. Radio Announcing techniques and extensive practice for various announcing situations. Emphasis is placed on vocal development and interpretation. Numerous audio recordings. Two 1-hour lectures and 2-hour laboratory each week. Prerequisite: minimum grade of *C* in 161.

361-3 Television Announcing. Television announcing techniques for such situations as voice-over-film, special events, on-camera studio programs, and commercial presentations. Television studio facilities and video tape facilities for practice and performance. Prerequisite: minimum grade of *C* in 161.

363-4 Radio Program Production. Techniques of producing and directing radio programs with emphasis on creative use of sound effects and music. Two hours of lecture and 4 hours of lab each week. Lab hours are devoted to actual production of radio programs for use on WSIU. Prerequisite: 260.

364-4 Television Production. The principles and procedures of television production. An examination of the various studio and control room personnel and their functions in production. An analysis of purposes, theories, and techniques that lead to excellence in quality television production. Prerequisite: 252.

369-4 Television Directing. Instruction and practical experience in the directing of television programs. Techniques of directing all types of programs including news, instructional, remotes, panel and music. Two 1-hour lectures and one 4-hour laboratory each week. Prerequisite: 364.

370-2 Films for Television. The use of films and video tape in the television industry. Included are sections on local film production as well as programming and securing syndicated programs from outside sources. This course is designed for the student concentrating in television interested in programming and management.

371-3 Techniques of Staging, Lighting and Graphics for Television. A study of television studio set design, the various techniques of studio lighting, and the special demands of the graphic arts in television production. Prerequisite: 364 or consent.

373-1 to 2 Advanced Radio Production Laboratory. Staff work on WSIU-FM including actual production of radio programs from conception through completion. May be repeated. Must be repeated by students concentrating in radio-television for a total of 4 hours minimum, 8 hours maximum, but combined total of 373 and 374 cannot exceed 12 hours. Prerequisite: 363 or concurrently.

374-1 to 2 Advanced Television Production Laboratory. Staff work on WSIU-TV and Closed Circuit Television operations, including actual production of television programs from conception to completion. May be repeated. Must be repeated by students concentrating in radio-television for a total of 4 hours minimum, 8 hours maximum, but combined total of 373 and 374 cannot exceed 12 hours. Prerequisite: 364.

375-1 to 4 Problems in Radio-television Programming.

375j-1 to 2 Individual Research Problems. May be repeated, but for no more than a total of 4 hours. Assignments made in consultation with the chairman.

377-3 Radio and TV Advertising. Study and practical radio-television experience in designing and developing promotional and publicity campaigns for the radio and television media. Scope of study includes radio and television advertising and sales techniques, methods and skills. Prerequisite: Journalism 370 and 371, or consent.

383-4 Broadcast Writing. Various forms for radio and television including continuity, spot, feature, and program. Prerequisite: 363, 364.

390-5 Broadcast Station Management. Objectives, procedures, equipment, costs, and policies in radio and television station development, management and operation. Prerequisites: 251, 351, 352.

393-3 Radio, Television, and Society. The interrelation of radio and television with social habit patterns and with economic and political systems. International broadcasting. Prerequisite: 251, 351, 352.

430-3 Public Affairs and the Radio-TV Establishment. Interdisciplinary examination of selected current major public issues and study of broadcast management's responses to those issues. Operational organization and reorganization, policy development, and procurement and allocation of personnel and other resources as responses to the developing public affairs commitment.

453-3 Radio-TV in Education. History and role of radio and television in education. Philosophies for education by radio and television. Analysis of types of educational broadcasting, including in-school broadcasting, adult education, and service programs.

464-3 Instruments of Public Affairs, Television Programming. Study and practice of sophisticated film and studio tools and techniques necessary for creation of public affairs television programming. Prerequisite: consent of instructor.

475-1 to 4 Individual Production Problems. May be repeated for a total of 4 hours. Assignments made by radio-television instructors.

Recreation and Outdoor Education

Associate Professors William H. Ridinger, Ed.D. (Chairman)

William H. Freeberg, D.Rec.

Loren E. Taylor, Ed.D.

Assistant Professor William E. O'Brien, Ph.D.

Instructors William R. Abernathy, M.S.

Clifford Knapp, M.S.

Because of its relatedness to many academic fields, the recreation and

outdoor education curriculum at Southern Illinois University builds its foundation on a good General Studies program and draws from several colleges and departments in the preparation of leaders for the many positions concerned with the recreative use of leisure time.

The curriculum emphasizes the practical as well as the theoretical aspects of recreation leadership. In addition to the General Studies requirements, several special courses are required in the student's professional field.

Each student is expected to choose courses which will give him a broad background in recreational activities and skills. These courses may be selected from such areas as music and dance, arts and crafts, drama, sports and games, and nature and conservation.

Students with a concentration in Recreation and Outdoor Education must complete 16 hours of practicum in two areas of interest, have 28 hours of professional recreation courses, and work closely with the department chairman in choosing related courses in other departments of the University, according to the student's chosen area of specialization.

The Department of Recreation and Outdoor Education offers courses leading to leadership specialization in (1) school and community recreation, (2) recreation for special populations, (3) outdoor recreation management, and (4) outdoor education.

Those students who wish to pursue a concentration in recreation and desire to teach must fulfill the course requirements in the College of Education, including a teaching concentration and practice teaching.

Students who have a concentration in recreation and do not fulfill the requirements in the College of Education for teaching must sign a statement indicating that they understand that they do not meet the state and college requirements for teaching and intend to work in recreation positions.

Students concentrating in recreation are encouraged to obtain the following certificates: American Red Cross Life Saving and Water certificate, American Camping Association Campcraft certificate. Other certificates in the activity and instructional areas are also available.

Bachelor of Science Degree, COLLEGE OF EDUCATION

<i>General Studies Requirements (Waive GSB-3.)</i>	84
<i>Requirements for Concentration in Recreation and Outdoor Education</i>	85-107
Government 232	5
Guidance 305	4
Health Education 345	4
Management 340	4
Recreation and Outdoor Education 201, 202, 310, 320, 330, 365, 425, 490	40
Speech 303	4
One of the Following Four Specializations:	24-46
<i>Community Recreation</i>	
GSA 312, 340	(6)
GSB 321	(3)
Art 306	4
Technical and Industrial Education 303	4
Music 200, 300b	6
Physical Education 220, 221	4
Instructional Materials 417	4

Psychology 301, 303, 304	12
Sociology 340, 373	8
<i>Recreation For Special Populations</i>	
GSB 321	(3)
Health Education 203	3
Physical Education 220, 221, 305	6
Psychology 301, 303, 304	12
Recreation and Outdoor Education 302, 340	6
Sociology 372, 373	8
Special Education 410	8
<i>Outdoor Recreation Management</i>	
GSA 312, 340	(6)
Botany 313, 341	6
Forestry 350a, 410	6
Geology 221	5
Plant Industries 301, 304, 306a	10
Zoology 102, 103, 310, 303	19
<i>Outdoor Education</i>	
Students who plan to teach, with an area of concentration in outdoor education, should choose their electives from the courses listed below:	
Recreation and Outdoor Education 301	4
GSA 312, 340	(6)
GSB 321	(3)
Education Administration 355	4
Guidance 442	4
Psychology 301, 303	8
Instructional Materials 417	4
<i>Electives</i>	1-23
<i>Total</i>	192

Students concentrating in recreation are encouraged to obtain the following certificates: American Red Cross First Aid certificate, American Red Cross Life Saving and Water certificate, American Camping Association Campcraft certificate and other certificates in instructional areas.

Course Descriptions

- 201-3 Leisure and Recreation.** Basic philosophical and historical foundations and development of leisure and recreation in light of economic, political, and social change.
- 202-3 Programs in Recreation.** A study of essential elements and basic principles involved in the organization and administration of various types of recreation programs with emphasis on leadership processes. Prerequisite: 201.
- 301-4 Outdoor Education.** To acquaint students with the philosophy and techniques of teaching in the out-of-doors. Ways and means of various outdoor learning experiences.
- 302-3 Institutional Recreation.** An introduction to the philosophy, objectives, and basic concepts of therapeutic recreation. Emphasis on rehabilitation needs and "team" approach within institutional and community setting. Prerequisites: 201, 202.
- 310-3 Social Recreation.** Acquaints the student with the various recreation skills and leadership techniques in activities suitable for a variety of recreation settings and population groups. Prerequisite: 201, 202.
- 315-3 Dramatics in Recreation.** Principles, materials, and techniques of producing all types of dramatic activities for recreation with emphasis upon impromptu and informal dramatics. Prerequisite: 201, 202.
- 320-3 Nature Interpretation.** Acquaints the student with opportunities for

the interpretations of the natural phenomenon. Avocational as well as the vocational aspects of natural resources.

325-3 Leisurecrafts. Methods and materials in arts and crafts projects suitable for playgrounds, recreation centers, clubs, and camps. Emphasis on use and care of simple tools, use of native and inexpensive materials, and creativity. Prerequisite: 201, 202.

330-3 Campcraft. Leadership skills in the use of native materials and simple tools; identification and dietary use of wild fruits, berries and plants; outdoor cooking; construction of shelters and camp facilities; and other campcrafts.

335-3 Music and Dance in Recreation. Acquaints the student with methods, materials, and leadership techniques in music, dance, and rhythmic activities for a variety of recreation settings and population groups. Prerequisite: 201, 202.

340-3 Recreation Activities. Methods, materials, and leadership techniques for conducting social recreation for the physically handicapped, the mentally retarded, the aged, and other special populations. Prerequisite: 302.

360-4 Playground Administration.

365-4 Recreation Administration. Administrative procedures in park and recreation departments—organization, finance, personnel, facilities, program, public relations, and other areas of administration. Prerequisites: 201, 202, and 15 hours of recreation.

368-4 Camp Management. Principles and procedures of selection and supervision of personnel, program planning, food preparation, health and safety, camp maintenance, evaluation, and other responsibilities of camp administration. Prerequisites: 201, 202, and 15 hours of recreation.

380-1 to 4 Field Work. Supervised leadership experience in a public or private agency with emphasis on recreation activities common to such organizational programs. Prerequisite: 20 hours in recreation.

390-16 Practicum. Supervised practicum experience in a professional setting. Emphasis on administrative, supervisory, teaching and program leadership in community, school, park and forest, institutional, and other recreation settings. Prerequisite: consent of department.

425-4 Recreation Areas and Facilities. Principles of planning, construction, management, and maintenance of shelters, utilities, sanitation structures, erosion control, and other related problems. Prerequisites: 201, 202, and 15 hours of recreation.

470-4 School and Community Recreation. The role of the public schools in community recreation. Emphasis on current practices and trends in curriculum content, adult education, extracurricular activities, after-school and vacation programs, and cooperative programs with other agencies.

500-4 Principles of Recreation.

510-4 Outdoor Education Workshop.

520-4 Recreation Administration Workshop.

525-3 Special Population Workshop.

530-4 Recreation Program Workshop. Program planning, organization, and implementation of comprehensive leisure time programs in public and private recreation settings, emphasis on application of basic program principles to practice. Prerequisite: 500.

540-4 Survey and Planning of Facilities.

570-4 Seminar in Recreation and Outdoor Recreation.

596-2 to 9 Independent Study.

Rehabilitation

414-1 to 16 Developing Employment Opportunities. Trains rehabilitation personnel in the attitudes, methods, and skills pertinent to placement of handicapped persons in competitive and other occupations. Prerequisite: consent of instructor.

417-4 Rehabilitation of the Economically Deprived. Analysis of employment problems of the economically deprived with attention to training, counseling, and programs for rehabilitation.

420-3 to 4 Human Development and Behavior. Consideration of human development from the framework of the major theories. Acquisition and maintenance of diverse behavior patterns. Prerequisite: advance standing.

480-2 An Introduction to Rehabilitation. The philosophy, procedures, and practices underlying the rehabilitation movement, including the history and legislation that have contributed to its rapid development.

- 481-2 **An Introduction to Employment and Developmental Services.** The development and growth of employment services and special youth centers, current social needs and trends, and the organizational patterns in such centers.
- 485-4 **Scientific Methods in the Behavioral Sciences.** Scientific methods as an approach to the investigation of human behavior including consideration of various systems of behavior theory and practice.
- 486-4 **Introduction to Behavior Modification.** Overview of the field of behavior modification, its procedures, techniques, and methods. A survey of current literature examining the various populations being utilized.
- 490-1 to 6 **Readings in Rehabilitation.** Select readings in rehabilitation supervised by the staff. Prerequisite: consent of instructor.
- 501-6 (2,2,2) **Rehabilitation Administration.**
- 503-2 **Case Management in Rehabilitation.**
- 511-2 to 4 **Vocational Developments and Occupational Choice.**
- 519-2 to 3 **Selection, Placement, and Follow-up.**
- 520-4 **Functional Analysis of Behavior.**
- 521-4 **Child Behavior.**
- 526-4 **Complex Human Behavior.**
- 531-2 to 4 **Vocational Appraisal.**
- 532-3 to 4 **Assessment Procedures in Rehabilitation.**
- 533-4 **Measurement in Behavior Change.**
- 535-4 **Schedules of Reinforcement.**
- 536-4 **Individual Assessment in Rehabilitation.**
- 537-4 **Diagnostic Procedures for Special Populations.**
- 539-1 to 6 **Behavioral Programming.**
- 541-1 to 6 **Medical Aspects of Rehabilitation.**
- 543-4 **Structural Basis of Behavior.**
- 551-3 to 4 **General Rehabilitation Counseling.**
- 552-4 **Rehabilitation Counseling Research.**
- 555-2 **Rehabilitation Counseling with Mentally Retarded.**
- 556-2 to 4 **Group Procedures in Rehabilitation.**
- 558-4 **Programed Instruction and Behavior.**
- 561 **Psycho-social Aspects of Disability.**
- 563-4 to 8 **Aversive Control and Aggressive Behavior.**
- 564-4 **Sexual Behavior.**
- 565-4 **Verbal Behavior.**
- 567-4 **School-Related Behavior.**
- 571-1 to 6 **Seminar in Selected Topics.**
- 576-1 to 12 **Seminar in Behavior Modification.**
- 578-1 to 6 **Seminar in Correctional Rehabilitation Counseling.**
- 585-0 to 24 **Practicum in Rehabilitation.**
- 589-0 to 12 **Internship in Rehabilitation.**
- 590-1 to 16 **Independent Projects.**
- 591-1 to 16 **Research in Rehabilitation.**
- 599-1 to 9 **Thesis.**

Religious Studies

Secondary Concentration

The secondary concentration in religious studies (30 hours) draws on the offerings of several departments and programs. Each student is required to take 18 hours from a common core of courses in the phenomena of religion east and west. In addition, he must take 12 hours of related courses in some other department of the University. Students are encouraged to tailor the 12 hour elective side of this secondary concentration to their own academic interests, subject to the approval of the religious studies director.

<i>The Phenomena of Religion East and West.</i>	18
GSC 307-3, 310-3, 311-3, 312-3, 333-3	
Philosophy 301-4 and Soc 351-4	
Religious Studies 301-3, 320-6, 330-9	
<i>Departmental Sequences</i>	12
This work may commonly be done in English, history, philosophy,	

psychology, or sociology, the details of which are subject to the approval of the religious studies director. A student may petition for an elective sequence in some department other than those here listed.

Course Descriptions

301-3 Contemporary Western Religious Thought. A critical evaluation of current religious thought and movements.

320-6 (3,3) Biblical Studies. (a) Old Testament History and Literature; (b) New Testament History and Literature. Prerequisite: junior standing or consent of instructor.

330-9 (3,3,3) History of Western Religious Thought. (a) Early and Medieval; (b) Reformation Era; (c) Post Reformation and Modern. Prerequisite: junior standing or consent of instructor.

Secondary Education

Professors Claude J. Dykhouse, Ph.D.

Troy W. Edwards, Ed.D.

John H. Erickson, Ed.D.

William H. Evans, Ed.D.

Daryle E. Keefer, Ph.D.

John D. Mees, Ed.D.

Clarence D. Samford, Ph.D. (*Chairman*)

Clarence W. Stephens, Ed.D.

Associate Professors Robert L. Buser, Ed.D.

Ross Jean Fligor, Ph.D.

James E. Redden, Ph.D.

Ronald W. Stadt, Ed.D.

John Richard Verduin, Ph.D.

Assistant Professors Frank C. Adams, Ph.D.

Arthur L. Aikman, Ph.D.

Bruce C. Appleby, Ph.D.

Raymond P. DeJarnett, Ph.D.

Billy G. Dixon, Ph.D.

Roland Keene, Ed.D.

Instructor Harold R. Hungerford, M.S.

One who is preparing to teach in junior high school, high school, or junior college does not concentrate in secondary education but must concentrate in any of the areas listed below.

The Department of Secondary Education concerns itself with the sequences of professional education courses that lead to certification for teaching in the junior high school, the high school, and the junior college. In addition, it advises students concerning areas of academic concentrations.

Bachelor of Science Degree, COLLEGE OF EDUCATION

A student in the College of Education who is preparing to teach in junior high school or high school may select areas of concentration in any of the following:

Agricultural Education

Art Education

Biological Sciences

Business Education

Botany¹

Chemistry

Economics

English

English Language Arts

Foreign Languages

General Science

Geography

Government

Health Education

History

Home Economics

Journalism

Mathematics

Music Education

Physical Education

Physics

Social Studies

Speech

Technical and Industrial

Education

Theater²

Zoology¹

Secondary Concentration

With the consent of an academic adviser, a secondary concentration may be selected from the following:

Biological Sciences

Black American Studies

Botany¹

Business Education

Chemistry

Driver Education

Earth Sciences

Economics

English

Foreign Languages

Geography

Government	Mathematics	Psychology
Health Education	Microbiology	Sociology
History	Music	Speech
Home Economics	Philosophy	Technical and Industrial
Education	Physical Education	Education
Instructional Materials	Physics	Theater
Journalism	Physiology	Zoology ¹

Standard High School Certificate

A student may enter the Secondary Education program of the College of Education by transfer (1) from the General Studies program (provided he has attained 64 quarter hours), (2) from other academic units, or (3) from other institutions. In each case, he is subject to the following requirements.

1. He must meet the requirements related to the state and federal constitutions satisfied by either Government 231, 300 or one of the following: GSB 211b, 300a.

2. There is no general requirement in foreign language in the Department of Secondary Education except in those situations where the student must meet a foreign language requirement as part of his major academic concentration.

3. He must complete either one area of concentration of at least 48 hours or one area of concentration of 36 hours and two minor areas with a sufficient number of hours to meet the teaching requirements for each. (Certain broad areas including biological sciences, English language arts, physical education, physical sciences, and social studies have special certification requirements. Students electing to work in these areas should adhere closely to the course of study presented through the designated academic adviser.)

4. He must, if working for certification at the secondary level, complete the following sequence of professional education courses, for at least 32 hours.

Guidance 305	4
Secondary Education 310, 315; 352-12 to 16 Student Teaching	19-23
Select at least two courses from the following:	6-8
Agricultural Industries 311	
Art 308	
Educational Administration 355	
Guidance 422a	
Home Economics Education 310	
Technical and Industrial Education 408	
Instructional Materials 417	
Secondary Education 407, 440	

5. He must satisfy the Student Teaching prerequisites. Anyone who wishes to qualify for the Standard Special Certificate for grades K through 12 should see below.

A student in an academic unit other than the College of Education who desires to obtain a Standard High School Certificate should follow the teacher preparation program as described in this bulletin.

Standard Special Certificate

The Standard Special Certificate is valid for four years for teaching

¹ A student with a concentration in botany or zoology should have a secondary concentration in the other in order to meet certification standards for teaching biology at the high school level.
² In choosing this concentration, the number of hours required is 36; a second concentration of 36 hours must also be chosen; a secondary concentration of 27 hours is also required.

the special subject or subjects named on the certificate in grades kindergarten through 12. This certificate may be issued to one who has a bachelor's degree and presents certified evidence of having earned credit as follows:

<i>General Studies Requirements</i> (Waive GS-3.)	84
<i>Professional Education Requirements</i>	32
Guidance 305	4
Secondary Education 315 or Special Methods	3
Secondary Education 310, 352, and Elementary Education 351	16-20
Two of the following courses:	6-9
Agricultural Industries 311	
Art 308	
Educational Administration 355	
Guidance 422	
Home Economics Education 310	
Instructional Materials 417	
Secondary Education 407, 440	
Technical and Industrial Education 408	
<i>Area of Specialization</i>	48
<i>Electives</i>	28
<i>Total</i>	192

Course Descriptions

310-4 History and Principles of Secondary Education. This course presents the nature, objectives, and current practices found in secondary schools throughout America. Prerequisite: Guidance 305 or Psychology 303, admission to the teacher education program, completion of 18 or more quarter hours in a declared concentration.

315-4 High School Methods. Various types of procedures used for effective classroom teaching constitute the basis of study and discussion. The problem approach and unit method are stressed. Prerequisite: 310.

352-8 to 16 Secondary Student Teaching.

375-2 to 4 Individual Research. Selection, investigation, and writing of a research topic, in one of the following areas: (a) Curriculum. (b) Supervision. (c) Language arts. (d) Science. (e) Reading. (f) Social studies. (g) Problems in secondary education. (h) Junior high school methodology. Prerequisite: consent of department.

402-4 Aerospace Education Workshop. Teachers learn about current developments in this area and how to incorporate aerospace information into existing curricula. They study in some detail the social, political, and economic consequences of this era. Prerequisite: consent of instructor.

407-8 (4,4) The Middle and Junior High School. (a) Organization, administration, and curriculum. (b) Workshop. Enables teachers to discover and evaluate new content, methods, and materials available and develops teacher-made functional instructional models. Must be taken in a,b sequence. Middle or junior high school teaching experience may be substituted for a as a prerequisite to b.

410-4 Teaching Consumer Education. For prospective secondary school and junior college teachers. Emphasis on meeting the state requirements for teachers of consumer education in Illinois. Includes selection and study of course content; preparation of instructional materials; organization and arrangement of units of study; planning an evaluation program. Prerequisite: GSB 346, or Finance 305, or equivalent.

427-4 Records Administration. Requisites for records administration. The value of files, their creation, control, retention, and disposition. Application to such records as medical, legal, educational. Prerequisite: 407.

440-4 Teaching Reading in High School. A foundation course in how to teach reading in junior and senior high school: developmental and corrective

reading programs; appraisal of reading abilities; methods and materials of instruction. Prerequisite: Guidance 305.

485-3 Principles and Philosophies of Vocational and Technical Education. (See Technical and Industrial Education 485.)

487-4 Teaching the Natural Sciences in Secondary Schools. Objectives of science education; instruction methods and techniques appropriate for teaching science; desirable equipment, audio-visual aids, and instructional material; development of a course outline and at least one instruction unit. Prerequisite: 310 or concurrent.

488-3 Teaching Social Studies in Secondary Schools. Deals with objectives, scope and sequence of curriculum, methods of teaching different courses and age groups, materials and evaluation. Prerequisite: 310 or concurrent.

490-4 Workshop in Economics Education. (See Economics 490.)

495-2 to 4 Seminar in Problems Related to Teaching Disadvantaged Youth.

498-2 to 6 Field Study Abroad. Orientation and study before travel; readings, reports, and planned travel. Includes visits to cultural and educational institutions. Prerequisite: consent of instructor.

506-4 Reading in the Secondary School.

507-2 to 4 Readings in Reading.

508-4 Current Developments in Selected Subject Areas in Secondary Schools.

509-4 to 8 Practicum in Reading.

510-4 to 8 Seminar: Problems in Reading.

514-4 Organization and Administration of Reading Programs.

516-4 to 12 Internship in Reading.

518-2 Supervision of Student Teachers.

521-12 (4,4,4) Diagnosis and Correction of Reading Disabilities.

560-1 to 8 New Developments in Technological Education.

561-4 Curriculum.

562-4 Secondary School Curriculum.

564-4 Secondary Principalship.

566-4 Seminar in Instruction.

570-4 Student Activities.

571-4 Seminar in Curriculum.

575-2 to 4 Individual Research. (Selected areas with 2 to 4 hours in each.)

589-2 Seminar in Community Development.

591-4 Workshop in Secondary Education.

596-5 to 9 Independent Investigation.

599-3 to 9 Thesis.

600-1 to 48 Dissertation.

Secretarial and Business Education

(See also *Business Teacher Education*.)

Professors Harry B. Bauernfeind, M.A. *Assistant Professor* Van A. Buboltz,

Harves C. Rahe, Ed.D. (*Chairman*) M.A.

Associate Professor Viola DuFrain, *Instructor* O. June Burger, M.S.

Ph.D. (*Emerita*)

Course Descriptions

Tests are given during the first week of all shorthand and typewriting courses to insure the correct placement of students in classes.

201-9 (3,3,3) Typewriting. Mastery of the keyboard, speed and accuracy in the touch operation of the typewriter, and skill and knowledge needed for vocational and personal uses. Must be taken in a,b,c sequence. (a) May not be taken for credit by students who have had previous high school or other formal instruction in typewriting; (b) Prerequisite: 201a or one semester of other formal instruction in typewriting and the ability to type at least 30 words per minute; (c) Prerequisite: 201b or two semesters of other formal instruction in typewriting and the ability to type at least 40 words per minute and to prepare simple business correspondence, tables, manuscripts and forms.

221-12 (4,4,4) Shorthand and Transcription. The Gregg shorthand system and the development of skill and knowledge required in taking dictation and transcribing it on the typewriter. Must be taken in a,b,c sequence. (a) May not be taken for credit by students who have had previous high school or

other formal instruction in shorthand; (b) Prerequisite: 221a or one semester of other formal instruction in shorthand-transcription; (c) Prerequisite: 221b or two semesters of other formal instruction in shorthand-transcription and the ability to take sustained, new-matter dictation at 60 words per minute.

241-1 Duplicating. Skills and knowledges in (1) the preparation of master copies and stencils and (2) the operation of liquid and stencil duplicating machines. Prerequisite: 201 or equivalent.

242-1 Calculating Machines for Accountants. Fundamental knowledges and skills needed by accountants in the selection and use of calculating machines. Emphasis on special problems encountered by accountants.

259-3 to 80 Business Subjects. For business credits earned when credit is to be established by departmental evaluation. Prerequisite: junior standing.

304-3 Advanced Typewriting and Key Punch. Development of advanced typewriting skills and theory in problem situations. Office style production assignments measure performance in typing statistical reports; tabulation of unarranged materials; business correspondence; legal, medical, governmental, and technical typewriting problems; and accounting reports. Development of occupational competency on the key punch and the dictaphone. Prerequisite: 201.

324-8 (4,4) Advanced Shorthand and Transcription. The development of high-level dictation and transcription skills and knowledges. Must be taken in a,b sequence. Prerequisites: (a) 221-12 or three semesters of other formal instruction in shorthand-transcription and the ability to transcribe on the typewriter sustained, new-matter dictation taken at 80 words per minute. (b) 324a or four semesters of other formal instruction in shorthand-transcription and the ability to transcribe on the typewriter sustained, new-matter dictation taken at 100 words per minute.

326-4 Executive Secretarial Procedures. An advanced course for secretaries, covering such topics as personality and human relationships, office mail, office equipment, travel, sources of information, communications, and business reports. Prerequisite: 304.

341-4 Office Calculating Machines. Operation of basic types of office calculating machines, emphasizing the characteristic uses of each kind of machine in the office. Laboratory practice required.

403-3 Teaching Typewriting. Methods of instruction, skill-building principles and techniques, selection and preparation of instructional materials, standards of achievement, and evaluation of pupil performance. Prerequisite: 201c or equivalent.

404-3 Teaching Shorthand and Transcription. Methods of instruction, skill-building principles and techniques, selection and preparation of instructional materials, standards of achievement, and evaluation of pupil performance. Prerequisite: 324a or equivalent.

405-3 Teaching General Business Subjects. Instructional methods and materials for, and the evaluation of pupil progress in, such basic business subjects as general business, consumer education, economic geography, business law.

406-4 Teaching Office Practice and Office Machines. Instructional methods and materials for, and the evaluation of pupil performance in, office practice and office machines. Prerequisite: 341 or equivalent.

408-3 Teaching Bookkeeping and Accounting. Instructional methods and materials for, and the evaluation of pupil progress in, bookkeeping and accounting. Prerequisite: Accounting 251b or equivalent.

409-4 Teaching Distributive Education. For prospective teacher-coordinators of vocational cooperative or in-school distributive education programs. Includes planning of facilities; selection and review of course content; preparation of instructional materials; organization and arrangement of units; related instruction; simulated, block, and project plans; and student evaluation. Prerequisite: Marketing 301.

411-1 to 6 Workshop in Business Education. Major issues in business teacher education. Offered during one or two weeks of the summer session. Prerequisite: senior standing.

414-6 (3,3) Organization and Administration of Cooperative Vocational Business Education Programs. Prepares teachers and coordinators in accordance with the requirements of the Illinois State Plan for the Administration of Vocational Education. Philosophy and objectives of cooperative vocational programs, methods of selecting students and work stations, placing and supervising students on part-time jobs, preparation of instructional materials, job analyses, conducting related information courses, evaluating workers and work stations, advisory committees, public relations aspects of cooperative programs.

- 415-6 Supervised Business Experience and Related Study.** Prepares teachers and coordinators in accordance with the requirements of the Illinois State Plan for the Administration of Vocational Education. Classroom study of the principles and problems of coordinating in-school and cooperative vocational business education programs; supervised occupational experience; classroom analysis and evaluation of on-the-job experiences of the members of the class in relation to their future work as coordinators and vocational teachers.
- 417-4 Applications and Fundamentals of Data Processing in Business Education.** Acquaints business teachers with data processing applications in high school business classes. Emphasis on vocabulary development, unit record equipment, concepts of programming, and fundamentals of computer application. Approximately one-third of the course is spent in machine operation.
- 426-4 Office Management.** The principles of management as applied to office problems. Emphasis on the role of the office in business management; office organization; physical facilities and layout of the office; office services, procedures, standards, and controls.
- 427-3 Records Administration.** The requisites for records administration. The value of files, their creation, control, retention, and disposition. Applications to such records as medical, legal, educational. Prerequisite: 407.
- 485-3 Principles and Philosophies of Vocational and Technical Education.** (See Technical and Industrial Education 485.)
- 500-4 Principles and Problems of Business Education.**
- 502-4 Research in Business Education.**
- 503-4 Tests and Measurements in Business Education.**
- 505-1 to 6 Workshop in Business Education.**
- 508-4 Administration and Supervision in Business Education.**
- 509-4 Improvement of Instruction in General (Basic) Business Subjects.**
- 510-4 Improvement of Instruction in Secretarial Subjects.**
- 525-3 Interrelated Vocational Cooperative Education.**
- 590-2 to 5 Readings in Business Education.**
- 591-2 to 5 Individual Research in Business Education.**
- 599-1 to 9 Thesis.**

Secretarial Studies

Secretarial and related office service positions today encompass a wide variety of duties, responsibilities, and rewards. Business, governmental agencies, and educational institutions recruit college graduates to fill executive and administrative secretarial positions. College graduates in these positions are responsible for planning and executing office work, managing the office, and supervising the work of stenographers and other office workers. The secretary's position is distinguished from that of a stenographer in that the secretary spends less time performing routine duties than does the stenographer and more time performing jobs requiring initiative and judgment. Her salary is normally higher than that of the stenographer.

Bachelor of Science Degree, SCHOOL OF BUSINESS

General Studies Requirements (Waive GSB-3.)	84
Professional Business Core	52
GSB 201b, 201c, Mathematics 111-10	(18)
Accounting 251a,b, 261	12
Economics 214, 215 and 308 or 408	12
Finance 320, and 371 or 473	8
GSD 110	3
Management 340, 481	8
Marketing 301	4
Mathematics 150a	5
Secretarial Studies	45
Accounting 309, 315	6
Data Processing 101a	3

English 300a	4
Management 271	4
Secretarial and Business Education 241, 304, 324–8, 326, 341, 426, 427	28
<i>Electives</i>	11
<i>Total</i>	192

Sociology

<i>Professors</i> Charles Royce Snyder, Ph.D. (<i>Chairman</i>)	Louis Petroff (<i>Emeritus</i>) <i>Assistant Professors</i> Ernest K. Alix, Ph.D.
Elmer Hugh Johnson, Ph.D.	Joe Carroll Eades, M.S.W.
Hugh Dalziel Duncan, Ph.D.	Robert Denton Rossel, Ph.D.
Joseph K. Johnson, Ph.D.	<i>Instructor</i> Martha Brelje, M.A.
Herman R. Lantz, Ph.D.	
Peter A. Munch, Ph.D.	
<i>Associate Professors</i> Melvin Schubert Brooks, Ph.D.	<i>Adjunct Professor</i> Myrl E. Alexander Gunnar Boulton
Frank Comstock Nall, II, Ph.D.	<i>Visiting Professor</i> Alvin W. Goulder

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (Waive GSB–3.)	83 or 84
<i>Supplementary Two-Year College Requirement in FL/Mathematics</i> 18–20	
Mathematics: 111–10, and 150–10	20
or	
GSD FL–9, and FL 201–9	18
<i>Requirements for Concentration in Sociology</i>	42
GSB 201–8 (4 hours count towards the concentration) (4) + 4	
Sociology electives in courses whose second digit is not 8, to complete 42 hours	38
<i>Electives</i>	46 or 49
<i>Total</i>	192

Social Work

<i>General Studies Requirements</i> (Waive GSB–3.)	83 or 84
<i>Supplementary Two-Year College Requirement in FL/Mathematics</i> 18–20	
Mathematics: 111–10, and 150–10	20
or	
GSD FL–9, and FL 201–9	18
<i>Requirements for Concentration in Sociology-Social Work</i>	42
GSB 201–8 (4 hours count towards the concentration) (4) + 4	
Sociology 375, 383, 481, 482	15
Sociology electives to complete 42 hours	23
In addition, 2 courses in Government must be completed	8
<i>Electives</i>	38 or 41
<i>Total</i>	192

Secondary Concentration

A secondary concentration in sociology consists of a minimum of 24 hours.

HONORS PROGRAM

The department offers an honors program for academically outstanding sociology majors. Qualifications for acceptance into this program consist of: (1) an overall grade point average of at least 4.00, (2) completion of

12 hours in sociology courses with a grade point average of at least 4.25. Three honors courses are offered at the junior and senior class levels. For details, qualified students interested in this program should consult the director of undergraduate studies in the sociology department.

Course Descriptions

Courses in sociology are listed according to numerical order. However, the second digit in the course number indicates its field as follows:

- 00-09 General Sociology
- 10-19 Methodology and Research Techniques
- 20-29 Social Psychology
- 30-39 Social Organization and Structure
- 40-49 Family
- 50-59 Sociology of Knowledge
- 60-69 Social Disorganization and Deviance
- 70-79 Special Fields
- 80-89 Applied Field

301-4 Principles of Sociology. The structure and functions of social relationship systems, both simple and complex. Analysis of processes of social differentiation, integration, and disorganization. Prerequisite: junior standing.

302-4 Contemporary Social Problems. Discussion and analysis of selected contemporary social problems with consideration of alternative courses of action. Prerequisite: one sociology course.

305-4 Social Institutions. Concepts of institutions; origins, development, and variability of institutions; lag and change. Prerequisite: GSB 201b or 301.

306-4 Social Control. The means and principles of social controls; social institutions as factors in control; techniques of directing social action. Prerequisite: GSB 201b or 301.

308-4 Statistics for Social Science. Methods and application of statistics in the social sciences. Statistical methods in demography, ecology, testing and guidance, social problems. Examination of empirical studies in these and related areas. Prerequisite: 301, or GSB 201b, or consent of instructor.

312-4 Elements of Sociological Research. Types of research. Principles and steps in research procedure. Selected techniques. Prerequisite: 308, or equivalent, or consent of instructor.

GSB 321-3 Socialization of the Individual.

GSB 325-3 Race and Minority Relations.

332-4 Social Organization. An examination of the determinants of social organization; intensive analysis of institutional configurations, social stratification, and systems of social control; review of writings. Prerequisite: 301.

333-4 Community Organization. Factors involved in community organization; types, aims, and objectives; community diagnosis; individual case study of specific community. Prerequisite: 301 or GSB 201b.

335-4 Urban Sociology. The rise, development, structure, culture, planning, and problems in early and modern cities. Prerequisite: 301 or GSB 201b.

336-4 Sociology of Rural Life. The structure, functioning, and change of rural social life; study of informal groups, neighborhoods, and communities; social class and value orientation. Prerequisite: GSB 201b, or 301.

338-4 Industrial Sociology. Social organization and processes within the formal and informal structure of the industrial unit; research and experimental materials concerning social determinants of morale, status and role of the worker. Prerequisite: GSB 201b or 301.

340-4 The Family. The family in historic and contemporary society; evolution of the modern family; changes in family functions, structures, and roles. Prerequisite: GSB 201b or 301.

GSB 341-3 Marriage.

351-4 Sociology of Religion. Function of religious institutions in society and their relationship to other major social institutions; role in social control and group solidarity. Prerequisite: GSB 201b or 301.

371-4 Population and Migration. Characteristics of population, problems of growth, composition, distribution, differential fertility, international and internal migration. Prerequisite: 301 or consent of instructor.

372-4 Criminology. The nature of crime; criminal statistics; casual factors; theories and procedures in prevention and treatment. Prerequisite: GSB 201b or 301.

374-4 Sociology of Education. Methods, principles, and data of sociology

applied to the school situation; relation of the school to other institutions and groups. Prerequisite: consent of instructor, or GSB 201b or 301.

375-4 Social Welfare as a Social Institution. Interdependence of social, cultural, political and economic factors in the history, theory and practice of social welfare, with special reference to development of the social work profession in response to welfare problems. Prerequisite: GSB 201b or 301.

383-4 Introduction to Interviewing. Theory and practice of interviewing as a means of gaining information, and of understanding and imparting the same. Focus is on the interview as a tool in social work, but principles are generally applicable. Prerequisite: GSB 201b or 301.

396h-1 to 4 Honors Readings in Sociology. Topics selected jointly by student and instructor which ordinarily are not covered in depth in regular course offerings. Prerequisite: consent of department.

397h-3 to 6 Honors Seminar in Sociology. Varying sociological topics studied in depth and breadth. Maximum opportunity for student participation in the exploration of the subject. May be repeated for a total of two quarters. Prerequisite: consent of department.

406-4 Social Change. Processes of social change in the modern world; culture lag and conflict of norms; individual and social problems arising from conflicting systems of social values and cultural norms. Prerequisite: two sociology courses or consent of instructor.

412-4 Sociological Research. Application of the scientific method to sociological problems. The role of theory. Principles of good research design, measurement, sampling and analysis. Prerequisite: Graduate status or consent of instructor.

415-3 Logic of the Social Sciences. (See Philosophy 415.)

424-4 Collective Behavior. The behavior of people in large groups; collective interstimulations and emotions; crowds, audiences, and publics; mass stimuli and mass response. Prerequisite: GSB 321 or consent of instructor.

426-4 Social Factors in Behavior and Personality. How group situations and values affect behavior and shape personality; development of concepts, role-concepts, attitudes, values; theories of motivation; self-concepts; conflicting social values in relation to individual motivation. Prerequisite: GSB 321 or Psychology 305, or consent of instructor.

427-4 Personality and Social Adjustment. Basic mechanisms of adjustive behavior; concepts and criteria of personal integration and social adjustment; varieties of adjustive and nonadjustive behavior; theories of personal organization and disorganization; selected problems. Prerequisite: GSB 321 or Psychology 305 or consent of instructor.

435-4 Social Stratification. A comparative study of social class systems, with emphasis on the American systems. Relationships of class position to behavior in family, religion, politics, etc. Prerequisite: two sociology courses or consent of instructor.

438-4 Sociology of Occupations and Professions. Natural history and institutional aspects of occupations in our society, cultural context of occupations in both primitive and modern society, preparation for jobs, human values in work, promotion and discharge, mobility, retirement. Prerequisite: two sociology courses or consent of instructor.

450-4 Social Thought I: Before 1800. The ideological basis of Western society. The classical foundations. Trends of thought from the Renaissance to the Enlightenment. Prerequisite: two sociology courses or consent of instructor.

451-4 Social Thought II: The Sociological Movement. From Romanticism to Realism; rise and development of scientific social thought. Prerequisite: two sociology courses or consent of instructor.

452-4 Black Social Thought. Original works of black writers from the standpoint of problems and prospects of black people in America, and the social context in which these works developed. Relevance of these writings to understanding the current racial situation in the United States considered. Prerequisite: one sociology course and consent of instructor.

453-4 Social Movements. A sociological study of modern social movements; social and cultural backgrounds, forms of expression and organization; social structure of social movements, their role and function in modern society. Prerequisite: two sociology courses or consent of instructor.

454-4 Sociology of Science. Emphasis on the origins and growth of science in historical perspective, reciprocal relations between science and society in the twentieth century, science as a social system, differentiation within and relations between disciplines, and implications of the social organization of

scientific research and funding. Prerequisite: two sociology courses or consent of instructor.

460-4 Sociology of Medicine. Man and his adaptation to illness, the sick role, the doctor patient relationship, the organization of medical care and health institutions in the United States, and the role of the sociologist in the health fields. Prerequisite: two sociology courses or consent of instructor.

471-4 Principles of Demography. Techniques in analyzing and evaluating data on human population; composition, birth and death rates, life tables, migration data, estimates of future trend. Practical uses of demographic techniques. Prerequisites: consent of instructor.

472-4 The American Correctional System. A survey of the correctional field, covering probation, institutional treatment, and parole. Historic development, organizational structure, program content, and current problems. Prerequisite: 372 or consent of instructor.

473-4 Juvenile Delinquency. Nature of juvenile delinquency; relationship to theories of deviant behavior; efforts at prevention and control. Prerequisite: two sociology or psychology courses or consent of instructor.

481-4 Processes in Social Work. Theory, rationale, and practice of casework, group work, social welfare organization, and the roles of supervision, administration, and research in relation to each. Case material study and discussion with field observation and practice. Prerequisite: 375 or consent of instructor.

482-3 Social Work in Selected Agencies. Study of representative literature on casework in family, psychiatric, medical, school, military, child welfare, and correctional settings, and others. Case material study and discussion with field observation and practice. Prerequisite: 481 and consent of instructor.

483-4 Current Problems in Corrections. An exploration of contemporary problems in control and treatment of sentenced offenders, and a review of research trends in corrections. Prerequisite: 472 or consent of instructor.

486-1 to 5 Independent Study in Community Development. Individual study and projects designed to fit the needs of each student. Prerequisite: consent of instructor.

487-4 Community Development. The concepts of community development and analysis of the social-psychological forces and processes involved in citizen study, planning and action directed toward the fuller development of communities in a democratic society. Prerequisite: 4 hours of sociology or consent of instructor.

489a-4 Probation, Classification, and Parole. An introduction to the structure and function of those elements of the correctional process primarily concerned with the evaluation, treatment, and control of offenders with particular attention to the casework components of the process. Prerequisite: 481 or consent of instructor.

489e-2 to 4 Independent Study in Corrections. Supervised readings or independent investigative projects in the various correctional aspects of crime control, institutional management, and specific correctional programs. Prerequisite: consent of instructor.

498h-1 to 4 Honors Independent Research. Advanced research study of a problem. Not for graduate students. Prerequisite: consent of department.

501-4 Survey of Sociological Theory.

502-4 Seminar in European Sociological Theory: 1800-1910.

503-4 Seminar in European Sociological Theory: 1910 to the Present.

504-4 Seminar in American Sociology.

506-4 Seminar in Contemporary Sociological Theory.

513-2 Supervised Research.

518-10 to 20 Workshops in Special Education.

519-4 Methodological Foundations of the Social Sciences.

521-4 Seminar in Social Psychology.

522-4 Sociology of Small Groups.

526-4 Quantitative Methods in Sociology I.

527-4 Quantitative Methods in Sociology II.

528-4 Quantitative Methods in Sociology III.

529-4 Sociological Measurement.

530-4 Research Design.

531-4 Research Analysis.

532-4 Urban Social Structure.

533-4 Ecology of Human Communities.

534-4 Seminar in Intergroup Relations.

537-4 Sociology of Law.

538-4 Seminar in Industrial Sociology.
 539-4 Sociology of Bureaucracy.
 542-4 Seminar on the Family.
 543-4 Seminar in Family Variability.
 544-4 Seminar in Family Research.
 545-4 The Family and Social Change.
 561-4 Alcohol and Society.
 562-4 Deviance and Disorganization.
 563-4 Research Problems in Deviance and Disorganization.
 564-4 Social Factors in Mental Disorders.
 566-4 Community Organization and Disorganization.
 572-4 Seminar in Criminology.
 583-4 to 12 Supervised Field Work in Corrections.
 587-2 to 8 Individual Research in Community Development.
 588-12 (4,4,4) Seminar in Community Development.
 591-2 to 6 Individual Research.
 596-2 to 12 Readings in Sociology.
 599-2 to 9 Thesis.
 600-1 to 48 Dissertation.

Special Concentration

In addition to the regular areas of concentration, the University encourages a student with special needs and interests to design his own area of concentration. He may develop a special concentration in the following manner:

1. The student should consult a faculty member about a possible program.
2. The student should draft a program which is coherent and unified, showing the courses he plans to take, and explaining the purpose of his program.
3. The completed program should have the support of at least one faculty sponsor and the dean or deans of the academic units involved.
4. Final approval including the title designation of the concentration must come from the chancellor or his representative.

Approval of a special area of concentration does not exempt a student from any University requirements or from any of the requirements of the academic unit from which his degree will be awarded.

Special Education

<i>Professor James M. Crouner, Ph.D.</i>	<i>Howard Morgan, Ed.D.</i>
<i>(Chairman)</i>	<i>Wyatt Stephens, Ph.D.</i>
<i>Associate Professors Marvin Lee Joiner, Ph.D.</i>	<i>Assistant Professors Marjorie Stull, M.S.</i>
<i>B. Elizabeth McKay, Ph.D.</i>	<i>Instructors Anne Campbell, M.S.</i>

Each area of concentration in special education leads to certification for teachers of a specific kind of exceptional child.

Students who are concentrating in other areas of education may qualify for the above mentioned special certificate for teachers of exceptional children by taking variable hours of additional course work in a specific area of exceptionality. Usually this course work can be taken in place of regular electives, and can be obtained in the junior and senior years. This permits a student, by time of graduation, to qualify for both his regular teaching certificate and the special certificate.

Bachelor of Science Degree, COLLEGE OF EDUCATION

Students may pursue a concentration in special education with program emphasis in any of three areas of specialization: the emotionally

disturbed (maladjusted), the educable mentally retarded, and the deaf and hard-of-hearing (acoustically handicapped).

<i>General Studies Requirements</i> (Waive GSC-3.)	83
<i>Requirements of a Concentration in Special Education</i>	33

GSA 110, 210	(16)
GSB 102a,b, 201b,c, 300b,c	(22)
GSC 100 or 101, 102, and 103	(6) + 3
Any one of GSC 200, 201, 203, 204, 205, 206; and any one of GSC 202, 209, 210	(7)
GSD 101, 102, 103, Mathematics 107a,b	(9) + 8
Art 300 or Technical and Industrial Education 303	4
Government 300 or GSB 211b	4
Mathematics 310	4
Music 300b or c	3
Physical Education for Women 319	4
Three elective hours of Physical Education Activity	3
<i>Elementary Education</i>	35-36
GSB 331 or Educational Administration 355	3-4
Elementary Education 314, 337, and 351-1	24
Guidance and Educational Psychology 412 (Winter Quarter)	4
Psychology 301	4
<i>One area of Specialization</i>	52-60

EDUCATION OF MALADJUSTED CHILDREN	60
Special Education 410a, 411, 413a, 414, 420a	20
Psychology 305, 307, 431, 465	16
Sociology 473	4
Elementary Education 351-8, 437	20

EDUCATION OF THE MENTALLY RETARDED	48
Special Education 410b, 411, 413b, 414, 420b	20
Speech Pathology and Audiology 428	4
Elementary Education 351	16
Guidance 422a	4
Electives (300 level or above) may be chosen from the following areas: guidance and educational psychol- ogy, audio-visual aids, related courses in sociology, psychology, economics, or health education, rehabili- tation, related courses in other areas of special edu- cation	4
Students in secondary education who wish to qualify for this certification must have the above courses and may need to take additional courses which are re- quired in the elementary education program but which are not required in the secondary program.	

EDUCATION OF THE ACOUSTICALLY HANDICAPPED	62
Instructional Materials 417	2
Psychology 301	8
Guidance 422a	4
Physiology 414	4
Special Education 410d, 411, 414, 415, 420d, 421	24
Speech Pathology and Audiology 200, 405a, 406, 416, 419	20

One hundred twenty additional clock hours of supervised practicum and clinical practice in the areas of Hearing, Speech and Speech-reading are required for an Illinois Certificate—Teacher of the Deaf.

Total 203–212

Course Descriptions

200–2 Orientation to the Education of Exceptional Children. A survey of exceptional children. Program modification by regular classroom teachers is stressed.

406–4 Techniques and Interpretation of Hearing Tests. (See Speech Pathology and Audiology 406.)

410a–4 Problems and Characteristics of the Emotionally Disturbed Child. Diagnosis, screening, classroom management, placement considerations, goals, and the effective use of ancillary services. Emphasis on the understanding of maladaptive behavior through principles of learning and behavior dynamics. Prerequisite: 414 or consent of instructor.

410b–4 Problems and Characteristics of the Mentally Retarded Child. Objectives, curriculum, methods, and materials of instruction for slow learners. Emphasis upon the principles of learning as they can be applied to this group. Observations. Prerequisite: 414 or consent of instructor.

410c–4 Problems and Characteristics of the Gifted Child. Designed to help teachers in the identification of and programming for gifted and talented children. Prerequisite: Psychology 301 or 303, or consent of instructor.

410d–4 Problems and Characteristics of the Acoustically Handicapped Child. Consideration of psycho-social and educational aspects of deafness. History and attitudes of society. The impact of auditory impairment on language development, education, and adjustment. Prerequisite: Psychology 301 or 303, or consent of instructor.

411–4 Assessment and Remediation of Learning Disabilities. (Same as Guidance 411.) Special tests and remedial programs designed for children with specific learning disabilities of a perceptual, or coordination nature and who may demonstrate related adjustment problems. Prerequisite: 414 and consent of instructor.

413a–4 Directed Observation of Emotionally Disturbed Children. Student observation and participation in group and individual work with emotionally disturbed children. Often taken concurrently with 410a. Prerequisite: consent of instructor.

413b–4 Directed Observation of Mentally Retarded Children. Student observation and participation in group and individual work with mentally retarded children. Often taken concurrently with 410b. Prerequisite: consent of instructor.

413d–4 Directed Observation and Practice with Hard-of-Hearing Children. Student observation and participation in group and individual work with hard-of-hearing children. Often taken concurrently with 515. Prerequisite: consent of instructor.

414–4 The Exceptional Child. Physical, mental, emotional, and social traits of all types of exceptional children. Effects of handicaps in learning situations. Methods of differentiation and techniques for rehabilitation. Individual case studies used; observations and field trips. Prerequisites: Psychology 301 or 303, or consent of instructor.

415–4 Education of Acoustically Handicapped Children. Comparison of language development in hearing and acoustically handicapped children. Survey of established systems of teaching language to the deaf. Principles and techniques in developing concepts, vocabulary, and basic English structures; receptive and expressive oral and written language. Prerequisite: consent of instructor.

416–4 Introduction to Audiology. (Same as Speech Pathology and Audiology 416.)

419–4 Communication Problems of the Deaf and Hard of Hearing. (Same as Speech Pathology and Audiology 419.) Objectives and techniques for the teaching of lip reading, speech conservation, and auditory training. Prerequisite: 406 or consent of instructor.

420a–4 Methods and Materials for Teaching Emotionally Disturbed Children. Prerequisite: 410a and consent of instructor.

- 420b-4 Methods and Materials for Teaching Mentally Retarded Children.** Usually offered in conjunction with practice teaching. Prerequisite: 410b and consent of instructor.
- 420d-4 Methods and Materials for Teaching Acoustically Handicapped Children.** Methods, materials, and techniques of teaching reading and elementary subjects to acoustically handicapped children in special education programs. Prerequisite: 410d and consent of instructor.
- 421-4 Speech for Acoustically Handicapped Children.** A survey of methods in teaching oral language skill to acoustically handicapped children. Emphasis on use of visual, tactile, and kinesthetic sensory avenues in developing intelligible articulation, voice and sentence rhythm. Consideration of auditory training techniques in relation to speech development. Prerequisite: Speech Pathology and Audiology 200.
- 428-4 Speech Correction for the Classroom Teacher.** (Same as Speech Pathology and Audiology 428.)
- 496-2 to 8 Readings and Independent Study in Special Education.** Study of a highly specific problem area in the education of exceptional children. Open only to selected seniors and graduate students. Prerequisite: 414 and consent of staff.
- 501-4 Special Research Problem.**
- 513-4 Organization, Administration, and Supervision of Special Classes.**
- 515-4 Itinerant Teaching of Exceptional Children.**
- 517-4 The Atypical Child and Social Agencies.**
- 518-4 Workshop in Special Education.**
- 577-4 to 12 Practicum in Special Education.**
- 580a-4 Seminar: Education of Maladjusted Children.**
- 580b-4 Seminar: Education of Mentally Retarded Children.**
- 580d-4 Seminar: Education of Acoustically Handicapped Children.**
- 590-4 Seminar: Education of Children with Mental Deviations.**
- 591-4 Seminar: Education of Physically Handicapped Children.**
- 592-4 Seminar: Education of Children with Learning and Behavioral Disorders.**
- 596-5 to 9 Independent Investigation.**
- 599-2 to 9 Thesis.**
- 600-1 to 48 Dissertation.**

Speech

<i>Professors</i> Earl Edsel Bradley, Ph.D.	Marion Kleinau, Ph.D.
Ralph A. Micken, Ph.D. (<i>Chairman</i>)	Thomas Pace, Ph.D.
David Potter, Ph.D.	William D. Smith, Ph.D.
C. Horton Talley, Ph.D.	<i>Assistant Professors</i> Frank Gonzalez, M.A.
<i>Associate Professors</i> Lester R. Breniman, Ph.D.	Keith Sanders, Ph.D.
Cameron W. Garbutt, Ph.D.	<i>Instructors</i> Marvin D. Kleinau, M.A.
Richard P. Hibbs, M.A.	Eunice Beverly Goodiel, M.A.
Dorothy C. Higginbotham, Ph.D.	Raymond D. Wiley, M.S.

Bachelor of Science Degree, SCHOOL OF COMMUNICATIONS

60 HOUR CONCENTRATION

<i>General Studies Requirements</i> (Waive GSB-3 or GSC-3.)	84
<i>Requirements for Concentration in Speech</i>	54
GSC 200, GSD 103	(6)
Speech 102, 201, 202, 205, 209, 300 or 104, 301, 313, 407a, 407b or 417 or 418, 408 and 16 additional hours	54
<i>Electives</i>	54
<i>Total</i>	192

48 HOUR CONCENTRATION

<i>General Studies Requirements</i> (Waive GSB-3 or GSC-3.)	84
<i>Requirements for Concentration in Speech</i>	42

GSC 200, GSD 103	(6)
Speech 102, 200, 201, 202, 205, 209, 313, 407-4	26
Speech electives	16
<i>Secondary Concentration</i>	24
<i>Electives</i>	42
<i>Total</i>	192

Interpretation

<i>General Studies Requirements</i> (Waive GSB-3 or GSC-3.)	84
<i>Requirements for Concentration in Speech (Communications)</i>	59
GSC 200, GSD 103	(6)
English: A course of study of 16 hours of English will be worked out on an individual basis.	16
Speech 102 or 313, 104, 202, 209, 309, 323, 301, 408, 434, and any two of 422, 423, 424, (4 hours elective)	43
<i>Electives</i>	49
<i>Total</i>	192

If a teaching certificate is desired the following changes are necessary:

1. The 10 hours of electives allowed in this course of study should be taken in Interpretation.
2. The secondary concentration should be the regular English secondary concentration.

Bachelor of Science Degree, COLLEGE OF EDUCATION OR Bachelor of Science Degree, SCHOOL OF COMMUNICATIONS

<i>General Studies Requirements</i> (Waive GSB-3 or GSC-3.)	84
<i>Requirements for a Concentration in Speech</i>	48
GSC 200, 203	(7)
GSD 103	(3)
Radio-TV 467	3
Speech 102, 104 or 200, 202, 205, 209-1, 323, 427	23
Speech Pathology and Audiology 428	4
Theater 111-3, 208-1, 402a	8
Electives in speech and/or theater	10
<i>Professional Education Requirements</i>	32
Guidance 305 or Psychology 303	4
Education: two courses ¹	8
Secondary Education 310, 352	16
Speech 406	4
<i>Secondary Concentration</i>	24
One secondary concentration is required in a separate area with a sufficient number of hours to meet the teaching requirements for that area. A secondary concentration in English or social sciences is recommended.	
<i>Electives</i>	4
<i>Total</i>	192

Public Relations

The public relations specialization consists of an integrated program designed by an interdisciplinary committee. The curriculum has been reviewed and approved by the Public Relations Society of America and is

supervised by the director of public relations in the department of speech.

Building upon the Liberal Arts and Sciences and General Studies requirements, the curriculum is designed to provide fundamental knowledge in communication and social science, and the organization and functions of business and government. The broad coverage of these areas in nine academic departments provides a sound preparation for both a career in public relations and for graduate work in the field of communication.

Students who have areas of special interest may work out minimal deviations from this curriculum with the concurrence of the director.

Membership in the SIU chapter of the Public Relations Student Society of America provides opportunities for field trips, internships, placement, involvement in student and university public relations activities, and association with prominent practitioners.

<i>General Studies Requirements</i> (Waive GSB-3.)	83
<i>Requirements for Concentration in Speech</i>	99
GSB 211A, 211B	(8)
GSC 200	(4)
GSD 103, 110	(6)
Speech 203, 301, 303, 331	15
Journalism 345, 370, 393, 397, 431	15
Radio-Television 251, 252, 351	11
Cinema and Photography 311, 350	8
Psychology GSB 201C, Psychology 307 and 323	12
Sociology GSB 201B or Sociology 301, and 302, GSB 325	11
Management 340, 341	8
Marketing 301, 363	8
Government 360, 361	7
Research Methods: Sociology 312 or Marketing 390	4
<i>Electives</i>	10
<i>Total</i>	192

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (Waive GSB-3 or GSC-3.)	84
<i>Requirements for Concentration in Speech</i>	42
GSC 200	(3)
GSD 103	(3)
Speech 102, 202, 304	10
Speech electives to complete 48 hours	32
<i>Secondary Concentration</i>	24
<i>Electives</i>	42
<i>Total</i>	192

¹ The Education courses referred to above are Educational Administration 355, Guidance 422, Instructional Materials 417, Secondary Education 407, 440.

Secondary Concentration

A 30-hour secondary concentration in speech should be planned in consultation with the chairman of the department or the director of speech education. Students electing speech as a secondary concentration to a teaching concentration must include Speech 406.

Course Descriptions

General Speech: 408, 429, 440, 449, 450-12, 520, 530-1 to 4, 532, 599-2 to 9, 600-3 to 48.

Oral Interpretation of Poetry: 423, 424, 434, 523, 530-1 to 4, 599-2 to 9.

Rhetoric and Public Address: 407-8, 417, 418, 425, 500, 504, 505, 508, 510, 524, 530-1 to 4, 599-2 to 9.

Speech Education: 402, 410, 427, 511, 530-1 to 4, 599-2 to 9.

102-4 Public Speaking. Analysis of audience motives and reactions stressed in the approach to speech preparation for typical public speaking situations. Prerequisite: GSD 103.

104-4 Training the Speaking Voice. Designed for those students who desire to improve their voice and articulation. Prerequisite: GSD 103.

200-4 Phonetics. Instruction on the use of phonetic symbols to record the speech sounds of midland American English, with emphasis on ear training, and a description of place and manner of production of these sounds.

201-2 Parliamentary Law. How to conduct a meeting. Study and practice of the rules of parliamentary procedure.

202-3 Principles of Discussion. Principles and methods of group discussion. Current problems used as materials for discussion.

203-4 Introduction to Interpersonal Communication. Interpersonal communication as a psycho-social-political process. Emphasis on examination of transactional behavior as a facet of interpersonal and intergroup relations.

205-4 Argumentation and Debate. Principles of argument, analysis, evidence, reasoning, fallacies, briefing, and delivery.

209-1 to 3 Forensic Activities. Not more than 3 hours of credit, and no more than 2 each year, to be secured for participating in forensic activities. Note: A maximum of 5 hours of 209 and 309 may be applied on a concentration in speech. A maximum of 8 hours of 209 and 309 may be applied toward graduation. Prerequisite: consent of instructor.

211-4 Teaching Oral Language at the Pre-School and Early Elementary Level. Designed for teachers of culturally disadvantaged children. Emphasis on environmentally derived language problems of the young child. Included are theory of language development, relationships between language and learning, and practice in constructing ameliorative language experiences needed in the child's successful intellectual and social development.

300-4 Phonemics of American English. Study of the phonemics of American English with particular emphasis in the major American dialects. Course designed especially for concentrations in speech, theater, and radio-TV. Prerequisite: 200 or consent of instructor and chairman.

301-4 Persuasion. Psychological principles involved in influencing individuals and groups.

303-4 Business and Professional Speaking. Speaking needs of business and professional people. Technical reports and lighter types of speaking included in the types studied. Primarily for adult and extension classes.

304-3 Great Speeches in American and British History. Speakers as they deal with historic issues in America and Britain.

309-1 to 4 Forensic Activities. Not more than 4 hours, and no more than 2 each year, to be secured for participation in forensic activities. Note: A maximum of 5 hours of 209 and 309 may be applied on a concentration speech. A maximum of 8 hours of 209 and 309 may be applied toward graduation. Prerequisite: junior standing and consent of instructor.

311-4 Communication and Social Process. Communication theory and its relation to social process.

313-4 Speech Composition. Rhetorical techniques of public address. One major speech prepared, with every possible refinement. Prerequisite: 102.

323-4 Oral Interpretation II. A basic course in the oral interpretation of literature with emphasis on vocal techniques in relation to literary analysis. Prerequisite: GSC 200 or consent of instructor.

331-3 Public Relations Policies and Practice. Philosophy, principles, policies, and practice of public relations. Historical review of industrial, institutional, governmental, and service agency PR; managerial and communicative functions; internal and external publics. Lecture, audio-visual media, and guest public relations practitioners. Prerequisite: junior standing.

401-4 Creative Dramatics. (Same as Theater 401.) Materials, techniques, and procedures for conducting sessions in informal drama with emphasis on its contribution to the total growth and development of the child. Lectures, observations, student participation, and practice.

406-4 Teaching Speech in Secondary Schools. Philosophy of speech education, and effective teaching of speech through curricular and extra-curricular work. Prerequisite: 16 hours of speech.

- 407-8 (4,4) American Public Address.** Critical studies of American speakers; selected speakers and speeches which reflect the dominant social and political ideas in American history. A lecture, reading, and discussion course. Parts may be taken independently.
- 408-4 Psychology of Speech.** Nature and development of speech, its basic psychology, and the part speech plays in personality development.
- 417-4 Contemporary Public Address.** A critical study of speakers and speeches selected to present the characteristic ideas of leading social and political developments in national and international affairs since 1918. A lecture, reading, and discussion course.
- 418-4 British Public Address.** Critical study of British speakers to c. 1920. Selection of material will be governed both by men and the issues that moved men throughout British history.
- 422-4 Oral Interpretation of Prose.** The study of reading of prose literature emphasizing the specific problems posed for the oral reader by this form. Prerequisite: GSD 200, 323, or consent of instructor.
- 423-4 Oral Interpretation of Poetry.** The reading of poetry and the interpretation of the thought and emotional content of the poetry to the audience. Prerequisite: GSD 200, 323.
- 424-4 Oral Interpretation of Dramatic Literature.** Reading, selecting, cutting, and presenting various types of dramatic literature. Each student gives a final recital program of readings. Prerequisites: GSD 200, 323.
- 425-3 Techniques of Discussion Leadership.** Studies in the field of group discussion designed to clarify the functions and concepts of the leader in democratic society.
- 427-4 Secondary School Forensic Program.** Coaching and organizational methods for extracurricular and curricular forensic programs in the secondary schools.
- 428-4 Communication Theories and Models.** Survey, analysis, and criticism of contemporary theories and models of human communication with an emphasis on behavioral theories and models.
- 429-4 Experimental Studies in Oral Communication.** Principles of research design accompanied by a critical examination of research in oral communication. Prerequisite: 428.
- 434-4 Lecture and Lecture-Recital.** Study of professional work on the public platform which is climaxed by a lecture or recital of a professional nature. Prerequisite: 12 hours of public speaking, interpretation, or theater.
- 435-4 Studies in Organizational Communication.** Communication systems and behavior within formal organizations. Focused on theory and research of informational and directive communication as related to channels, structures, status, involvement, morale, and leadership. Prerequisite: 303.
- 440-4 Advanced Phonetics.** Phonetic theory. Materials and methods of linguistic geography. Prerequisite: 200.
- 441-4 Teaching Speech in Elementary Schools.** Study of oral language development in children, analysis of their speech needs, and methods of teaching speech in elementary schools with emphasis on speech improvement and development of basic speech skills.
- 449-4 General Semantics.** Means of changing implications so that language, in spoken or written form, describes the life facts.
- 450-12 (4,4,4) Laboratory in Interpersonal Communication.** Communication viewed as a process of relating and evaluating. Applications of general semantics and related philosophy, methodology, and research to the functioning of the class itself through various speech activities. The course encompasses the common core of communication behaviors relevant to the chief communication specialties.
- 500-4 Survey of Classical Rhetoric.**
- 501-10 NDEA Institute in Oral Language.**
- 504-4 Medieval and Renaissance Rhetoric.**
- 505-4 Modern Rhetorical Theory.**
- 507-6 (3,3) Studies in Public Address.**
- 508-4 Seminar: Studies in Discussion.**
- 510-4 Seminar: Persuasion and Social Control.**
- 511-4 (2,2) Teaching the College Speech Course.**
- 520-3 Philosophical Foundations of Speech.**
- 523-4 Seminar: Problems in Interpretation.**
- 524-6 (3,3) Seminar: Rhetoric and Public Address.**
- 525-4 Seminar: Speech Education.**
- 526-3 Seminar in Theater Arts.**

527-3 College Forensic Program.

530-1 to 4 Research Problems.

532-4 (2,2) Areas and Techniques of Research in Speech.

540-4 Seminar: Experimental Communications Research.

542-4 Seminar in non-Quantitative Research Methods.

599-2 to 9 Thesis.

600-1 to 48 Dissertation.

Speech Pathology and Audiology

Professors John O. Anderson, Ph.D.

I. P. Brackett, Ph.D. (*Chairman*)

Eugene J. Brutton, Ph.D.

Herbert Koepp-Baker, Ph.D.

Michael S. Hoshiko, Ph.D.

Donald J. Shoemaker, Ph.D.

Associate Professors Chester J. Atkin-

son, Ph.D.

Cameron W. Garbutt, Ph.D.

Ronald G. Hansen, Ph.D.

Alfred B. Copeland, Ph.D.

Assistant Professor Sue Ann Pace,
Ph.D.

Adjunct Professor Fred Nolen, D.D.S.

Speech pathology and audiology is an area which has as its objective the training of qualified personnel to work with people impaired in either speech or hearing. Positions in this field are available in the public schools, colleges, and universities, and in highly specialized public or private clinics.

Clinical experience is obtained through work at the University's Speech and Hearing Clinic, which is one of the participating agencies in the Co-operative Clinical Services. Additional practicum experience is available at the University School; a six-week summer camping program in co-operation with the Division of Services for Crippled Children and the Easter Seal Society; the Marion V. A. Hospital; A. L. Bowen Children's Center; the Anna State Hospital; and rehabilitation work sponsored by the Division of Vocational Rehabilitation.

Programs of study lead to the academic and practicum requirements for the Certificate of Clinical Competence of the American Speech and Hearing Association. Certification by ASHA requires a master's degree or its equivalent, and students are encouraged to attain this level.

Bachelor of Science Degree, SCHOOL OF COMMUNICATIONS

A student in the School of Communications who plans to be a speech clinician in work environments other than the public school, thereby not seeking the requirements for a teaching certificate, should follow the plan listed below.

General Studies Requirements (Waive GSA-3 or GSB-3) 84

Requirements for Concentration in Speech Pathology and Audiology 60-62

GSB 201c (4)

Psychology 301 4

Guidance 412, Psychology 305 or Health Education 312 ... 4

Guidance 422a 4

Special Education 200 or 414 2-4

Speech Pathology and Audiology 200, 203 or 409, 212, 318,
319, 405, 406, 412 or 415, 414, 416, 419 46

Electives 46-48

Total 192

Bachelor of Science Degree, SCHOOL OF COMMUNICATIONS

A student in the School of Communications who plans to be a public school speech clinician in Illinois, thereby needing to meet the require-

ments for a Limited Special Teaching Certificate should follow the plan listed below.

<i>General Studies Requirements</i> (Waive GSA-3 or GSB-3)	84
<i>Requirements for Concentration in Speech Pathology and Audiology</i>	86-94
GSB 201c	(4)
GSB 331, Educational Administration 355, or Instructional Materials 417	3-4
GSB 211b, 300a, or Govt. 300	3-4
GSD 103 with grade of C	(3)
Psychology 301	4
Guidance 412, Psychology 305 or Health Education 312	4
Guidance 422a	4
Special Education 200 or 414	2-4
Elementary Education 314 and 337	8
Elementary Education 351b	12-16
Speech Pathology and Audiology 200, 203 or 409, 212, 318, 319, 405, 406, 412 or 415, 414, 416, 419	46
<i>Electives</i>	14-22
<i>Total</i>	192

For certification, students must accumulate two hundred clock hours—275 ASHA—of supervised case work in a teacher-training center. The requirement is satisfied by Elementary Education 351b or Speech Pathology and Audiology 405.

Bachelor of Science, COLLEGE OF EDUCATION

A student in the College of Education who wishes to become a speech clinician in the public schools should follow the plan listed immediately above, in addition to any special requirements of the College of Education.

Course Descriptions

100-0 to 2 Speech Clinic. For students with speech and hearing deviations who need individual help.

104-4 Training the Speaking Voice. For those students who desire to improve their voice and articulation.

200-4 Phonetics. Instruction in the Use of phonetic symbols to record the speech sounds of midland American English, with emphasis on ear training, and a description of place and manner of production of these sounds.

203-4 Introduction to Speech Science. An introduction to the science of general speech including the history of research in the field and significant experimental trends in the future. Open to all students.

212-4 Articulatory Problems and Delayed Speech. Acquaints the student with clinical Articulatory speech defects. Diagnostic and therapeutic techniques stressed. Prerequisite: 200 or concurrent.

318-4 Voice and Cleft Palate. Voice disorders including cleft palate. Prerequisite: 212, or consent of instructor.

319-4 Stuttering. Deals with diagnostic and therapeutic techniques for the understanding and treatment of stuttering. Prerequisite: 212, or consent of instructor.

400-1 to 4 Independent Study in Speech Pathology and Audiology. Activities involved shall be investigative, creative, or clinical in character. Must be arranged in advance with the instructor. May be repeated for up to 6 hours.

405-12 (4,4,4) Practicum in Speech and Hearing Therapy. Clinical and school procedures in speech pathology and audiology. One hour of class per week, and 2 hours of clinical activity or work on clinically related projects for each hour of credit. (a) emphasizes therapeutic procedures; (b) emphasizes diagnostic techniques; (c) emphasizes the utilization of forms and the preparation of reports. Prerequisite: junior standing.

406-4 Techniques and Interpretation of Hearing Tests. Principles and techniques of testing the hearing and interpreting those tests in terms of the individual's needs. Prerequisite: 416 or consent of instructor.

- 409-4 Research Techniques in Speech Science.** A presentation of the research techniques used in speech science with particular emphasis on equipment, experimental design, and study of significant research contributions to the field. Open to advanced students in speech or those with consent of instructor.
- 412-4 Cerebral Palsy.** An investigation of the etiology, problems, and therapy of cerebral palsy. Prerequisite: 212, 414 or consent of instructor.
- 414-4 Anatomy and Physiology of Speech and Hearing Mechanisms.** (See Physiology 414.)
- 415-4 Aphasia.** An investigation of the etiology, problems, and therapy of aphasia. Prerequisite: 412, 414 or consent of instructor.
- 416-4 Introduction to Audiology.** Provides the student with a basic orientation to the professional field of audiology, its history and its goals. Basic acoustics, the phylogeny, anatomy and physiology of the human ear, and significant pathologies of the ear are presented. Prerequisite: junior standing or consent of instructor.
- 419-4 Communication Problems of the Deaf and Hard of Hearing.** (Same as Special Education 419.) Objectives and techniques for the teaching of lip reading, speech conservation, and auditory training. Prerequisite: 406 or consent of instructor.
- 420-4 Advanced Clinical Audiometry.** Principles and procedures for advanced audiometric testing, advanced problems in bone conduction measurements, in evaluation of loudness recruitment, in topodiagnostic audiometry, and non-organic hearing loss are presented. Practical techniques include speech audiometry, Bekesy audiometry, conditioned pure tone electrodermal audiometry, and use of the Zwislocki Acoustic Bridge. Prerequisite: 416 and 406 or consent of instructor.
- 421-4 Speech for Acoustically Handicapped Children.** (See Special Education 421.)
- 428-4 Speech Correction for the Classroom Teacher.** (Same as Special Education 428.) Etiology and therapy of common speech defects. Open to in-service teachers, seniors, and graduate students in education.
- 515-1 to 4 Readings in Speech Pathology and Audiology.**
- 516-4 Seminar in Psychoacoustics.**
- 520-4 Seminar in Physiological Acoustics.**
- 521-1 to 4 Seminar in Articulation and Delayed Speech.**
- 522-16 (4,4,4,4) Seminar in Organic Speech Problems.**
- 524-4 Seminar in Language Disorders.**
- 528-4 Seminar in Experimental Audiology.**
- 529-12 (4,4,4) Seminar in Stuttering Behavior.**
- 530-1 to 4 Research Problems in Speech Pathology & Audiology.**
- 531-1 to 4 Seminar in Experimental Phonetics.**
- 533-1 to 4 Seminar in Speech Science.**
- 534-1 to 4 Seminar in Instrumentation.**
- 536-1 to 4 Seminar in Administration of Speech and Hearing Problems.**
- 599-2 to 9 Thesis.**
- 600-1 to 48 Dissertation.**

Student Teaching

Supervised student teaching is conducted in cooperating public schools in Southern Illinois and the Chicago City Schools. The College of Education requires 12 to 16 hours of student teaching for the Bachelor of Science degree. Students are expected to enroll for the entire 12 to 16 hours during one quarter.

One of the following professional-quarter plans of student teaching must be pursued by the student with the approval of the Chairman of Student Teaching.

The student teacher, under either plan, must follow the same daily schedule as the supervisor. This means that the student teacher is to remain in school for an entire day.

Elementary Professional Quarter

The student-teaching quarter is devoted to full-time student teaching in

an approved off-campus center. The student teacher earns 16 hours of credit and is expected to participate in the teaching program for the entire school day, following exactly the schedule of the cooperating teacher.

The University supervisor calls a meeting of student teachers planning to do elementary student teaching at least one quarter in advance of the student teaching quarter. The purpose of this meeting is to complete plans and answer questions pertaining to the professional quarter.

Elementary Education 351 (student teaching) grants 16 hours of credit.

Early-Childhood Education Professional Quarter

The early-childhood education professional quarter is essentially the same as the one described for elementary student teachers with this exception: student teachers in this area teach full time for a quarter in either kindergarten or one of the primary grades. Students must indicate their preference at the time of filing the final application for student teaching.

Elementary Education 350 (student teaching) grants 16 hours of credit.

Secondary Professional Quarter

(EXCEPT VOCATIONAL AGRICULTURE AND VOCATIONAL HOME ECONOMICS)

Twelve Quarter-Hour Plan. This professional-quarter plan is designed for secondary student teachers in the College of Education and for other student teachers desiring to earn additional hours during any one quarter.

Secondary Education 352 (student teaching) grants 12 hours of credit. Additional hours may be earned by registering for courses taught on campus during the evening or on Saturday.

Sixteen Quarter-Hour Plan. This professional-quarter plan is designed for secondary student teachers in the College of Education and for other student teachers desiring the maximum amount of student teaching offered by Southern Illinois University during any one quarter.

Secondary Education 352 (student teaching) grants 16 hours of credit. This program *does not* permit additional hours to be earned without the approval of the professional quarter committee.

Vocational Agriculture Professional Quarter

A 3.25 grade-point average is required before one may take student teaching.

Psychology and education courses required include Guidance 305 and Secondary Education 310. Agricultural Education courses required include Agricultural Industries 210 and 311.

For the professional quarter the student registers for Agricultural Industries 309, 312a and b.

Seniors preparing to be teachers of vocational agriculture do their student teaching in a professional quarter. The first four weeks of the quarter are devoted to an intensive study of methods. The last eight weeks of the quarter are given to supervised teaching in an approved off-campus center. Student teaching is done either fall or winter quarters.

The two weeks summer practice is taken the week prior to and the first week of school at the center where they plan to student teach. Altogether the student has ten weeks of practice experience.

The student is responsible for transportation to and from the center and also housing. It is recommended but not mandatory that the student

teacher reside in the community while teaching. He is expected to remain on duty as long as the supervising teacher requires. He makes necessary visits after school hours to the homes of students to observe supervised farming programs. This may be true also for Saturday mornings. The student teacher is expected to attend all evening meetings such as the FFA, PTA, and adult farmer classes.

Vocational Home Economics Professional Quarter

A professional-quarter student preparing to teach home economics should register for Secondary Education 352-12, Home Economics Education 310, 311.

For three-fourths of the quarter (approximately 9 weeks), the student does full-time student teaching in an approved off-campus center. During the first week of the quarter, the student reports for prestudent-teaching day and to the Department of Home Economics Education for intensive work in the courses listed above. Likewise, at the end of the off-campus student-teaching period the student reports for the remainder of the quarter including the examination period to the Department of Home Economics Education for further intensive work in the evaluation of student teaching.

In the off-campus student-teaching centers, students are assisted in locating housing by the university supervisors of home economics education and the local public school teacher. Students who live in University Housing should indicate to the coordinator of housing the time when they will be off-campus for student teaching and/or Home Management House residence so that adjustments in contracts can be made. Students living in housing other than university housing should make arrangements directly with those involved.

The Department of Home Economics Education calls a meeting of students planning to do student teaching at least one quarter in advance of the student teaching period to plan for the professional quarter.

The Professional Quarter Committee

A representative from the College of Education, College of Liberal Arts and Sciences, School of Agriculture, School of Business, School of Communications, School of Fine Arts, School of Home Economics, and School of Technology serve on the professional quarter committee. The purposes of this committee are as follows:

1. To recommend to the Chairman of Student Teaching regulations and procedures applying to all student teachers working on the professional quarter plan.
2. To review petitions for special student teaching consideration where a student feels that he is an exception to the rules and regulations pertaining to the professional quarter. In most cases final reviewing is made from a written request form known as the *Petition for Special Student Teaching Consideration*. However, the committee as a whole feels that students should not be denied an opportunity of presenting their own cases in person to the committee.
3. To afford each college or school that is concerned with student teaching a personal representative.

No student may pursue a student teaching assignment other than one described previously under one of several professional-quarter plans, unless approved by the professional quarter committee. To request such

approval, the student must complete the forms known as the *Petition for Special Student Teaching Consideration*. These forms may be secured from the office of the chairman of Student Teaching, Room 135, Wham Education Building. Petitions will be accepted for review by the professional quarter committee no later than the end of the second week of the quarter preceding the student teaching quarter. However, petitions may be filed as early as the filing of the final application for student teaching.

Since student teaching is designed in terms of the needs of beginning teachers for complete and integrated experience, and since more than one supervisor may be in charge of the work done by the student teacher, no part of the work may be dropped by the student teacher with the expectation of continuing the remainder of the work for credit. Furthermore, if one supervisor finds it necessary to drop a student teacher from a part of the program, the College of Education reserves the right to require such student teacher to drop all of his program of assigned student teaching rather than merely a part of it.

Two applications are necessary for student teaching. The preliminary or first application must be made during the first six weeks of the winter quarter, approximately one year prior to graduation. Announcements will appear in the *Egyptian*; major departments will be notified. Students are scheduled for either fall, winter, or spring quarter of the following year on the basis of information given on the preliminary application. A final, detailed, application blank must be filed prior to the quarter the student is scheduled for student teaching. A student scheduled to do student teaching during the fall or winter quarter should file his final application during the first two weeks of the preceding spring quarter. A student scheduled for student teaching during the spring quarter should file his final application during the first two weeks of the preceding fall quarter.

Application for student teaching by in-service teachers for the summer sessions should be made not later than January 1. Application blanks may be secured from the office of the chairman of Student Teaching.

Student Teaching Prerequisites

1. Preliminary application should be made to the chairman of Student Teaching during the winter quarter of the academic year prior to graduation.

2. A final, detailed application form must be completed two quarters prior to the student teaching assignment.

3. The student must have 128 hours of credit with a 3.25 grade point average before beginning work in student teaching.

4. The student is responsible for having transcripts of credit earned at colleges or universities other than Southern Illinois University on file in the office of the chairman of Student Teaching.

5. The student in secondary education must have at least 16 hours of credit in each subject which he proposes to teach. The areas of concentration are listed under Secondary Education elsewhere in the catalog.

6. Each student must have at least 12 hours in professional education courses prior to doing student teaching. One preparing to teach in junior or senior high school must have had educational or adolescent psychology, high school methods, or a special methods course in his public school teaching subject area. One preparing to teach in the elementary school must have had educational or child psychology, reading methods, and elementary methods. An early-childhood education concentration must

have had educational or child psychology, reading methods, and kindergarten-primary methods. He must also be approved in class piano and must have had typewriting and duplicating courses or passed a proficiency exam in both.

7. The student must have established at least one quarter of residence credit at Southern Illinois University, earning a minimum of 16 hours of credit, prior to any student teaching assignment.

8. Students must have academic training in a public school teaching area which meets the approval of the respective departmental chairman.

9. Student teachers must have a clearance from Health Service, after taking a tuberculin test.

10. Admittance to the student teaching program will be made with respect to the above mentioned prerequisites at the close of the second quarter preceding the student teaching term.

Standards for Admission to a Teacher Education Program

UNCONDITIONAL ADMISSION

A student may apply for admission to a teacher education program with a minimum of 64 quarter hours of academic work. To be eligible for unconditional admission a student with from 64 to 102 quarter hours must have a cumulative grade point average of at least 3.00 on a 5.00 scale. A student applying for admission with 103 to 143 quarter hours must have at least a 3.10 cumulative grade point average. A student with more than 143 quarter hours at the time of application for admission must have at least a 3.20 cumulative grade point average. To apply for a student teaching assignment, a student must have been unconditionally admitted to a teacher education program. Before beginning a student teaching assignment, the student must have at least a 3.25 grade point average.

PROVISIONAL ADMISSION

A student may seek provisional admission to a teacher education program under the following conditions:

1. If he has 103 to 143 quarters hours of credit with a cumulative grade point average between 3.00 and 3.09 provided the grade point average in his teaching specialization is at least 3.20.

2. If he has more than 143 quarter hours of credit with a cumulative grade point average between 3.10 and 3.19 provided the grade point average in his teaching specialization is at least 3.30.

3. For a student planning to teach at the secondary level, the teaching specialization will include the subject matter concentration plus all education courses.

Procedure for Admission to a Teacher Education Program

Any student who expects to complete a program of teacher education at Southern Illinois University must be officially admitted to a teacher education program.

Application forms must be completed by the student and then given to (1) his academic advisor, (2) the chairman of the department of his major teaching area, for secondary and special education students only, (3) either the chairman of the Department of Elementary Education or Secondary Education, and (4) the assistant dean for undergraduate studies, College of Education, for the review and recommendation for approval (or disapproval). The forms must then be returned to the assistant dean for undergraduate studies for the official record of approved

students in teacher education programs. This entire transaction must take place prior to entrance into the professional sequence of education coursework. The professional education coursework starts with Elementary Education 314 or 316 for elementary, special, and early childhood education students. For secondary Education and some special education students it starts with Secondary Education 310.

NEW ADMINISTRATION PROCEDURE

When a student decides on the teacher education program of his choice, he may make application according to the regulations stated herein. Formal application for admission to a teacher education program must be made through the assistant dean's office of the College of Education and approval must be granted prior to entrance into professional education coursework (either Elementary Education 314 or Elementary Education 316 for elementary, early childhood, and special education students; Secondary Education 310 for secondary and some special education students).

Application forms for admission to a teacher education program at Southern Illinois University, Carbondale Campus, may be secured at the dean's office, College of Education, Wham Education Building, Room 115.

Technical and Industrial Education
(See also *Technology, School of.*)

Programs are designed to prepare persons for teaching, supervisory, and leadership roles in occupational education in schools, colleges, and industry. Students are made aware of and become knowledgeable about roles, relationships, and expertise in a variety of enterprises.

Enterprise teaching (formerly industrial arts) encompasses a broad area of study in elementary and secondary schools. It involves the study of (1) technological aspects of productive society under the headings: visual communications; energy conversion and power transmission; materials and processes; and electronics and instrumentation and (2) human aspects of the world of work in courses such as industrial sociology, industrial psychology, management and economics.

Trades and industries teaching concerns specialized instruction in the vocational-technical occupations of machine-tool, electronics, drafting, and other trade or technical occupations. Persons following this program are prepared to teach in high schools, area vocational schools, industry, private schools, and community junior colleges.

Technical teaching involves instructing youth and adults in highly skilled occupational areas such as, dental hygiene, electronics, practical nursing, automotives, aviation, health, and commercial art, which require basic and intermediate knowledge of science and mathematics as well as advanced knowledge of applications in a defined line of endeavor.

Manual arts therapists supervise rehabilitation activities involving tools, machines, and materials in hospitals and other centers.

Persons who wish to complete a degree immediately after high school are advised to prepare for enterprise teaching. People with work experience or post-secondary technical or vocational education in a technical institute or junior college are advised to prepare for trades and industries or technical teaching.

Guidance and Educational Psychology 305	4
Mathematics 111-10	(9) + 1
Technical & Industrial Education 408, 491	3
Major Groupings	92
<i>Enterprise Teaching:</i> GSA 358-6; 100-2, 201-6, 305-8, 207, 307, 310, 420-8, 421, 422; Sociology 338 or Psychology 323; Psychology 320; Economics 214, 215; Management 340, 431; Educational Administration 355; Secondary Education 310, 352.	
<i>Trades and Industries Teaching:</i> GSA 358-6; 100-2, graphics-6, 259 or concentration specialty-45, 319-12, 485, 488, 489, 490; Educational Administration 355; Secondary Education 310, 352.	
<i>Technical Teaching:</i> 259 or concentration specialty-60, 319-12, 419-8, 488, 489, 490.	
<i>Manual Arts Therapy:</i> Psychology 307, 465, Health Education 334s, Physiology 300, 455, GSA 358-6, Technical and Industrial Education 100-2, graphics-6, laboratory electives.	
<i>Electives</i>	8
<i>Total</i>	192

Course Descriptions

100-2 Orientation. Introduction to occupational education. Required of enterprise and trades industries majors.

201-6 (3,3) Visual Communications. (a) Introduction to the language of industry involving technical sketching, projections and developments, graphic symbolism, printing, duplicating, photography, and copying. (b) Advanced concepts and techniques involving graphic projections, intersections, and developments; relief, offset, and silk screen printing; mimeograph, xerography, photography, and other processes.

207-3 Energy Conversion & Power Transmission I. Introduction to energy conversion and power transmission, including a brief review of the mechanical laws of physics.

259-3 to 80 Shop and Drafting Subjects. (Same as Engineering 259.) This is a designation for shop or drawing credit earned, or for trade proficiency, when credit is to be established by departmental evaluation. Prerequisite: junior standing.

302-4 Construction Methods for Primary Teachers. Various media such as wood, metal, and paper. Acquainting the primary teacher with the materials, tools, and processes which students at the primary level can manipulate and use in the classroom. Laboratory.

303-4 Diversified Crafts for Teachers and Recreational Leaders. Experience in constructional activities involving the use of wood, metals, leathers, plastics, reed, raffia, clay, and other materials adaptable to the needs and interests of camp counselors and elementary school leaders. Laboratory.

305-8 (4,4) Materials and Processes. (a) The nature of industrial materials, their physical properties, structure, natural state, extraction, and processing. Emphasis on testing, joining, and the industrial applications of various wood, metal, plastic, and ceramic materials. (b) Concepts and techniques in cutting, shaping, forming, treating, polishing, finishing, and testing various wood, metal, plastic, and ceramic materials.

307-3 Energy Conversion & Power Transmission II. Principles, operation, and application of power generating equipment. Reciprocating, gas and steam turbines, jet, and other internal combustion engines, atomic, solar, and chemical power sources, and mechanical, pneumatic, and hydraulic transmission systems are treated from the general education standpoint. Prerequisite: 207.

310-8 (4,4) Electronics & Instrumentation. (a) Introduction to electron theory, optics and sound, electrostatics, circuit theory, control instrumentation, and automation. (b) Principles and applications of circuit theory, control instrumentation in open and closed systems, computer language, computer graphics, and numerical control, from the general education standpoint.

319-3 to 24 (3 per quarter) Industrial Internship. Industrial experience includes job skills, manufacturing processes, technical information, and labor-

management relationships with supervised instruction, conferences and examinations. Required of Vocational Teachers. Prerequisite: consent of coordinator.

380-1 to 12 Special Skills in Teaching Technological Subjects. Develops new and special industrial skills for teaching industrial and technological subjects. For advanced students and teachers to develop new but basic manipulative skills and understandings in selected areas. Prerequisite: 12 hours in Technical and Industrial Education.

408-3 Teaching Aids in Technological Education. Selection, development, analysis, cataloging, and use of commercial and self-made instructional aids and devices.

419-8 to 16 Student Teaching in Technical Programs. Experience in working with special and post-high school technical training programs in approved centers. The student teacher will follow the program of the supervisors of the primary specialization in both regular and extra-class activities. Prerequisite: 9 quarter hours professional courses.

420-8 (4,4) Enterprise: The Man-Machine System. Classroom, laboratory, and library study of man-machine systems in a variety of industries and institutions with emphasis on teaching children and youth to understand the world of work. For advanced students and experienced teachers. Must be taken in a,b sequence. Prerequisite: 20 hours in Technical and Industrial Education.

421-3 Principles of Enterprise Teaching. Problems and special methods of teaching in enterprise education programs. Prerequisite: 16 hours technical and industrial education courses.

422-3 Curriculum Development in Enterprise. Selection, development, and evaluation of content, methodology, and hardware and software instructional systems for programs about man and technology. For advanced students and experienced teachers. Prerequisite: 20 hours technical and industrial education courses.

425-2 to 8 Practicum in Technology. Experiences in the industrial applications of technological knowledge. Cooperative arrangements with selected corporations and professional organizations provide opportunity to study technical problems in the industrial environment under the direction of specialists. Prerequisite: 12 hours in technical subjects.

430-2 to 8 Special Problems in Industry and Technology. Special opportunity for students to obtain assistance and guidance in the investigation and solution of selected technical problems. Prerequisite: consent of instructor.

435-6 to 18 Manual Arts Internship. Supervised hospital experience featuring various applications of manual arts therapeutical treatments. Prerequisite: consent of coordinator.

450-1 to 12 (1 to 4 per quarter) Advanced Skills in Technical Subjects. Modern industrial practices and techniques in various selected technical fields. For experienced persons seeking an opportunity to develop advanced techniques and to increase understanding in specialized industrial fields. Emphasis on modern industrial processes, methods, materials, and techniques used in school shops, drafting rooms, and industrial organizations. Prerequisite: basic training in area selected for study. Limited to certified teachers.

465-8 (4,4) Industrial Safety. (See Engineering Technology 465.)

485-3 Principles and Philosophy of Vocational and Technical Education. (Same as Agricultural Education 485, Home Economics 485, Secondary Education 485, Secretarial and Business Education 485.) Team teaching used. Gives an understanding of the nature and purposes of practical arts, vocational and technical education, their relationships and differences, and the place of each in preparing people for the world of work. Prerequisite: Student teaching or consent of department.

488-3 Analysis for Occupational Education. Fundamentals of analyzing occupations and careers for establishing units of instruction for occupational education courses. Required for occupational teachers, coordinators, and supervisors. Prerequisite: 12 hours in teaching specialty.

489-3 Organization of Subject Matter. Course and unit construction, preparation of materials for distribution to students, preparation of teacher-made tests, course evaluation and updating. Prerequisite: 488.

490-3 Principles of Occupational Teaching. Methods of teaching in occupational education programs. Required for occupational teachers, coordinators, and supervisors. Prerequisite: 12 hours in teaching specialty.

500-8 (4,4) Legislation, Organization, and Administration of Occupational Education.

- 502-6 (3,3) Measurements and Evaluations of Products and Procedures.
 505-4 Administration and Supervision of Industrial Education.
 506-4 Cooperative Programs.
 510-4 Planning Occupational Education Facilities.
 525-3 Interrelated Vocational Cooperative Education.
 540-2 to 6 Research in Technological Education.
 541-4 Occupational Information and Guidance.
 550-4 College Teaching of Industrial and Technical Subjects.
 560-2 to 12 (2 to 8 per quarter) New Developments in Technological Education.
 570-2 to 6 Special Investigations.
 580-1 to 9 Seminar.
 599-1 to 9 Thesis.

Technology

(See also Engineering.)

Professors J. L. Amoros, Ph.D.

Juh Wah Chen, Ph.D.

E. Leon Dunning, Ph.D.

John H. Erickson, D.Ed.

G. Robert Hoke, Ph.D.

Eldred W. Hough, Ph.D.

M. Keith Humble, Ph.D.

Thomas B. Jefferson, Ph.D.

Marvin E. Johnson, Ed.D.

Julian H. Lauchner, Ph.D.

William C. Orthwein, Ph.D.

Wayne S. Ramp, Ed.D.

E. J. Simon, M.S.

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Associate Professors Raymond E. Bittle, Ed.D.

Marisa L. Canut, Ph.D.

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Fred L. Grismore, M.S.

James Jenkins, Jr., D.Ed.

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Sedat Sami, Ph.D.

James G. Smith, Ph.D.

Ronald Stadt, Ed.D. (*Chairman*)

Assistant Professors Najim Al-Rubayi, Ph.D.

Larry J. Bailey, Ed.D.

Richard E. Bortz, Ph.D.

Curtis W. Dodd, Ph.D.

James L. Evers, Ph.D.

Vernold K. Feiste, Ph.D.

Howard E. Hesketh, Ph.D.

Larry J. Kenneke, Ed.D.

Albert C. Kent, M.S.

Mark E. Klopp, M.Ed.

T. M. McCalla, Ph.D.

C. Raymond Nowacki, Ph.D.

Dennis G. Nystrom, Ed.D.

Carlyle G. Ott, M.S.

Sonny W. Pearson, Ph.D.

Douglas S. Prensner, Ph.D.

James A. Sullivan, Ed.D.

Instructors E. Robert Ashworth, M.S.

Dale Besterfield, M.S.

Joseph D. Clinton, M.S.

Willard C. Hart, B.S.

Charles B. Muchmore, M.S.

John R. Novy, M.S.

Bill J. Shields, M.S.

Jan R. Sonner, M.S.

Murl G. Teske, M.S.

Lecturer Charles A. Rawlings, M.S.

The present technological society has increased the demand for new types of personnel known as technologists. A technologist utilizes established techniques, methods, and procedures to achieve improvements in existing designs and systems. Technologists should be knowledgeable in the "state of the art" of a particular technology, capable of utilizing handbooks and other forms of codified information with skill and discrimination, and sufficiently versed in mathematics and the sciences to recognize sound procedures.

The technologist should stress applied design—the use of already engineered components and methods. The technologist should not be expected to conceive wholly new designs and design procedures, but should contribute to the technical solution of the overall problem.

Students planning to transfer from junior colleges, technical institutes, or occupational programs should make inquiry regarding opportunities in and specific requirements of the various technology programs. The technology programs are designed to provide the necessary training for entry

into employment upon the completion of the baccalaureate degree. Opportunities for advanced study are available in business-related fields or education.

Bachelor of Science Degree, SCHOOL OF TECHNOLOGY

Engineering Technology

General Studies Requirements (Waive GSB-3.)	84
Requirements for Concentration in Technology	108
GSA 358	(6)
GSB 361	3
Engineering 222	3
Engineering Technology 100-0, 102-9, 260-9, 304-6, 311-6, 313A-4, 318-6, 342-3	43
Mathematics 111, 150, 252a	(9) + 16
Psychology 320	4
Optional Groupings	39
Civil: Engineering Technology 310-6, 314-3, 315-3, 363-8, 364-6, 426-3, technical electives-10.	
Electrical: (Waive 311b) Engineering Technology 303-9, 304c-3, 332-6, 336-3, 338-8, 437-9 technical electives-4.	
Mechanical: Engineering Technology 301-3, 303-3, 308-9, 313b-4, 320-3, 322-3, 332-3, 340-4, technical electives-7.	
Total	192

Industrial Technology

General Studies Requirements (Waive GSB-3.)	84
Requirements for Concentration in Industrial Technology	108
GSA 358	(6)
GSB 361	3
Mathematics 111-10	(9) + 1
Engineering 222	3
Engineering Technology 102-9, 465a-4	13
Industrial Technology 100-0, 300-4, 307-5, 317-5, 318-3, 325-5, 343-3, 358-5, 365-4, 375-4	38
Management 340-4, 382-4	8
Psychology 320	4
Optional Groupings	38
Industrial Design: Engineering Technology 430-6, Industrial Technology 305-9, 306-9, Cinema and Photography 260-8, technical electives-6.	
Manufacturing: Accounting 250-4, Engineering Technology 465b-4, Industrial Technology 300b-4, 335-3, 340-3, 341-3, 342-3, 343b-3, technical electives-11.	
Supervision and Personnel: Accounting 250-4, Engineering Technology 465b-4, Industrial Technology 340-3, Management 385-4, Psychology 305-4, 322-4, 323-4, technical electives-11.	
Total	192

Graduates of two-year occupational programs may receive credit toward the above requirements.

English 460a,b,c, or d, or 464, or 468	4
Theater 111a,b,c, 207, 217, 311, 308 and 322 (Tour or Summer Theater), 402a, 403	43
One of the following Three Specializations	29-30

Acting-Directing

English 460a,b,c,d, or 464, 471a,b, or 468 (any one course)	4
Theater 203, 213, 305, 317, 402b, 417	21
Theater Electives	4-5
Total (with Core)	89-90

Design-Technical

Clothing and Textiles 380 or 433	4
Theater 406, 412, 414, 415, 432, 438	21
Theater Electives	4-5
Total (with Core)	89-90

Playwriting-Dramatic Literature

English 460a,b,c,d, or 464, or 471a,b, or 468 (any two courses)	8
Psychology 305	4
Theater 402b, 411, 438	12
Theater Electives	5-6
Total (with Core)	89-90

Dance

Core Curriculum for Dance	42
GSC 201, 354a,b	9
Theater 111a,b,c, 217, 322, 402a, 403	33
Theater 230, 240, 273, 313, 312, 416	42
Theater Electives	5
Total (with Core)	89
Electives for All 4 Areas	15
Total Credit Requirements for All 4 Areas	192

Bachelor of Arts Degree, COLLEGE OF LIBERAL ARTS AND SCIENCES

General Studies Requirements (Waive GSC-3.)	88
Requirements for Theater Concentration	78
GSC 201, 203, 354a, 354b	12
English 460a,b,c,d, 464, 468, 471a,b (any three courses)	12
Theater 111a,b,c, 217, 311, 402a, 403, 438	33
Theater Electives	21
Electives	26
Total	192

Secondary Concentration

Required courses are Theater 111a, 217, 207, 311, 402a, GSC 354a,b, (Total: 25) for students in the School of Communications; GSC 203, 354a,b, Theater 111a, 217, 402a, 438 (Total: 24) for students in the College of Liberal Arts and Sciences; GSC 203, Theater 230, 240, 313, 312, 416 (Total: 36) for students with a secondary concentration in Theater-Dance.

Course Descriptions

111-9 (3,3,3) Staging Techniques. All phases of dramatic production in connection with departmental public presentations. Lectures and laboratory.

203-4 Voice and Diction. Principles and practice in personal vocal and articulatory development and control. General group drills in phonation, resonance and vocal variety; drills for clarity and ease in articulation. For specific vocal needs; individual exercises, coaching and critical comment; leading to increased effectiveness in formal reading and speaking situations.

207-4 Fundamentals of Theatrical Design. Graphic media and workshop exercises acquaint students with the problems encountered by the director, scene designer, costumer, and lighting director in providing a suitable environment, by visual means, for the actor.

208-1 to 3 Dramatic Activities. Credit to be earned by participation in public performances.

217-4 Acting. Basic techniques of acting in all dramatic media. Emphasis on expression through bodily action and movements. Develops the actor's fundamental tools: motivation, sensory perception, voice, bodily action, movement, and a working vocabulary. Exercises.

230A-2 Beginning Techniques of Classical Ballet. (Same as Physical Education for Women 230A.) Basic ballet and introduction to centre work.

230B-2 to 22 Intermediate and Advanced Ballet. (Same as Physical Education for Women 230B.) Intermediate and advanced ballet including barre and centre combinations. Prerequisite: 230A or consent of instructor.

240-2 to 24 Theory and Technique of Contemporary Dance. (See Physical Education—Women 240.)

305-2 Stage Make-up. Theory and technique of various types of make-ups.

308-1 to 3 Dramatic Activities. Same as 208.

311-4 Introduction to Playwriting. The preparation of a one-act play from germinal idea to completed script. Those scripts indicating a certain level of artistry and technical control to be produced in a laboratory theater program. Course includes the analysis of dramaturgical technique and theory through the study of selected plays and criticism. Prerequisite: one course in dramatic literature and consent of instructor.

317-4 Intermediate Acting. Practical application, through various scenes and exercises, of the elements of concentration, emotional recall, rhythm, observation, characterization, and rehearsal methods. Prerequisite: 217.

322-2 to 12 Practicum in Theater. Practical experience in acting, directing, and associated theater work in area tours and summer stock. Credit may be earned for the course both on tour and in stock.

GSC 354-6 (3,3) History of the Theater.

379-3 Preclassic Dance Forms. (Same as Physical Education—Women 379.) Lectures and readings in dance of the 16th, 17th, and early 18th centuries. Study and execution of representative preclassic dances. Prerequisite: 230.

400-0 Theater Problems. Group discussion of current problems, productions, and developments in the university theater. Includes special lectures, symposiums, production critiques. One hour weekly non-credit course required for 6 quarters for all majors, and for 3 quarters for all theater graduate students.

401-4 Creative Dramatics. (See Speech 401.)

402-8 (4,4) Play Directing. (a) The principles and procedures of play direction including play selection, interpretation, and the patterning of auditory and visual stimuli; (b) Continuation of 402a emphasizing rehearsal procedures, control of tempo and mood, styles of presentation and performance, and other techniques in the direction of plays.

403-4 Aesthetics of the Drama and the Theater. Principles and practice of modern dramatic production in the light of modern aesthetic theory. A course attempting to formulate an aesthetic judgment of the theater.

404-4 Theater Management. Theater operational procedure, including both fundamental structuring and house management. The former aspect includes administration, purchasing, and accounting practices, ticket sales, publicity, promotion, and public relations. The latter aspect covers the management of box-office and ushering.

405-8 (4,4) The Scenic Imagination. (a) A study of the purely creative side of stage production. It includes an analysis of the script and its meaning for an audience; a poetic evaluation of the setting, costumes, and lighting; and the blocking out of the stage action; (b) Theater research and documentation; an approach to sketches and models; a review of the historic forms of staging, with emphasis on the modern styles from naturalism to epic theater.

406-1 American Professional Theater Procedures and Practices. An introduction to the everyday realities of a professional stage career, including problems of survival, professional ethics and protocol, personal relations, and the function of stage unions.

409-4 High School Theater and Its Production Problems. Consideration of stage machinery, equipment, light controls and instruments, production, and techniques. Analysis of basic needs of the high school theater.

410-3 Children's Theater. Creative dramatics; dramatization of children's literature; play production for elementary schools. Recommended for education concentrations.

411-4 Playwriting. The writing of a full-length play, a children's play, or a historical pageant-drama forms the basis of the course. Students may elect to write two one-act plays. Individual conferences supplement the class discussion and analysis of student writing. Prerequisite for graduate students: consent of instructor.

412-4 Stage Design. The design of settings for the stage and other dramatic media. Prerequisite: 207.

414-4 Costume Design.

415-4 Advanced Costume Design.

416-4 Current Theories and Practices in the Teaching of Dance. (See Physical Education 416.)

417-4 Advanced Acting. Lectures, readings, and practical application dealing with advanced studies of characterizations and acting styles on an individual basis. Prerequisite: 217, 317.

432-4 Stage Lighting. Instruments and control equipment; principals and techniques of lighting dramatic productions.

438-4 Contemporary Developments in the Theater. Critical study of theory and practice in acting, directing, production, and architecture in the modern theater. The rise and development of the film, radio, and television as dramatic media.

502-4 Advanced Directing.

503-12 (4,4,4) Advanced Technical Problems.

504-4 The Comic Theater.

505-4 The Tragic Theater.

506-4 The American Theater.

509-4 The High School Theater and its Production Problems.

518-4 Theater Audience.

519-1 to 12 Theater Practicum.

526-3 to 12 Seminar in Theater Arts.

530-1 to 4 Research Problems in Theater.

599-1 to 9 Thesis.

University Convocation

000-0 University Convocation.

Zoology

Professors Richard E. Blackwelder, Ph.D.

Harvey I. Fisher, Ph.D. (*Chairman*)

Edwin C. Galbreath, Ph.D.

William M. Gersbacher, Ph.D. (*Emeritus*)

Willard D. Klimstra, Ph.D.

William M. Lewis, Ph.D.

Associate Professors Ronald A. Brandon, Ph.D.

George Garoian, Ph.D.

Herman J. Haas, Ph.D.

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Hilda A. Stein, M.S. (*Emerita*)

Assistant Professors DuWayne C. Englert, Ph.D.

William C. George, Ph.D.

John N. Krull, Ph.D.

Eugene A. LeFebvre, Ph.D.

Bruce W. Peterson, Ph.D.

John B. Stahl, Ph.D.

George H. Waring, Ph.D.

Students planning to concentrate in zoology should consult with the zoology faculty representatives for current information concerning requirements. Core courses required for concentration in zoology include Biology 305, 306, 307, 308. These may substitute for 16 hours of required courses.

A concentration in zoology is appropriate for those wishing to enter the following fields: fish and wildlife management, dentistry, medicine, veterinary medicine, or allied fields. These students should consult with the zoology adviser concerning their course of study. A student desiring a Bachelor of Science degree should consult with the department.

Bachelor of Arts or Bachelor of Science Degree,
COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (Waive GSA-3.)	84
<i>Supplementary Two-Year College Requirement in FL/Mathematics</i>	9-10
GSD FL (Recommended French, German or Russian)	
and	
Foreign Language: FL 201-9	
or	
Mathematics: 150-10	
<i>Requirements for Concentration in Zoology</i>	60
GSA 201-8 or 210-8 (4 hours count toward the 48-	
hour concentration)	(8)
Mathematics 111-10	10
Chemistry 121-10	(4) + 6
Zoology 102, 103, 202, 300, 310, 382-1, 401	31
Zoology electives to complete 48 hours, which may in-	
clude GSA 312, 313, 315; Zoology 316 can not be	
counted toward the major	13
<i>Electives</i>	38-39
Recommended: three quarters of botany, two of physics, one of	
physiology, one of microbiology, and organic chemistry	
<i>Total</i>	192

One who desires a concentration in zoology is expected to register consecutively in Zoology 102, 103, 202, and 300.

Secondary Concentration

A secondary concentration in zoology consists of at least 24 hours, including GSA 201-8 (which contributes only 4 hours); Zoology 102, 103; and at least one laboratory course numbered above 199. GSA 312, 313, 314, 315 may be counted toward the 24-hour minimum.

Course Descriptions

102-5 General Invertebrate Zoology. Studies of representatives of the various kinds of invertebrate animals. Relationships, structure, and natural history are emphasized. Two lecture and 6 laboratory hours per week. Prerequisite: GSA 201b.

103-5 General Vertebrate Zoology. Studies of representatives of the various kinds of vertebrate animals. Evolutionary development, structure, and natural history are emphasized. Two lecture and 6 laboratory hours per week. Prerequisite: GSA 201.

202-5 Comparative Anatomy of Vertebrates. Comparative studies of the organ systems of vertebrate animals, with emphasis on the phylogeny and evolution of these organs. Two lecture and 6 laboratory hours per week. Prerequisite: 103.

300-5 Vertebrate Embryology. Development of the individual with the frog, chick, and pig as types. Three lectures and four laboratory hours per week. Prerequisite: 202.

309-5 Elementary Cytology. Introduction to structure and function of the cell on an elementary level. Three lecture and four laboratory hours per week. Prerequisite: 15 hours of biology.

310-5 Animal Ecology. Habitats, communities, and population dynamics of animals. Cost of field trips may be \$5-\$25 per student. Three lecture and 4 laboratory hours per week. Prerequisite: 102, 103.

GSA 312-3 Conservation of Natural Resources.

GSA 313-3 Evolution.

GSA 314-3 Man's Genetic Heritage.

GSA 315-3 History of Biology.

316-4 Insect Pests and Their Control. Principal injurious insects and their allies; chemical and biological methods of control. (Credit may not be used toward a concentration in zoology.) Two lecture and 4 laboratory hours per week. Prerequisite: GSA 201b.

321-5 Histological Techniques in Zoology. Methods of preparing material for microscopic study. Two lecture and 6 laboratory hours per week. Prerequisite: one year of biological sciences or consent of instructor.

322-2 to 5 Problems in Zoology. Research on zoological problems. Prerequisite: 4.25 grade point average, senior standing, and approval of the department or faculty. (Credit may not be used toward a secondary concentration in zoology.)

382-0.5 to 1.5 (.5, .5, .5) Zoology Seminar for Seniors. Two quarters required of seniors concentrating in zoology. Prerequisite: senior standing.

400-2 Animal Taxonomy. The concepts of taxonomy and their use in zoology. Prerequisite: one year of biology or consent of instructor.

401-5 Genetics. Principles of inheritance, including genetic mechanisms, mutation, and selection. Prerequisite: 15 hours of biological science and consent of instructor.

402-4 Natural History of Invertebrates. Observation, identification, and life histories. Designed for teachers. Not for students specializing in invertebrate zoology. Prerequisite: one year of zoology including 102.

403-4 Natural History of Vertebrates. Observation, identification, and life histories. Designed for teachers. Not for students specializing in vertebrate zoology. Prerequisite: one year of zoology including 103.

404-2 to 8 Zoology Field Studies. A trip of four to eight weeks to acquaint students with animals in various environments and/or with methods of field study, collection, and preservation. Arrangements made in advance of term. Cost per individual will be approximately \$25 per week. (Only 4 hours may be used for credit.) Prerequisite: consent of department.

406-4 Protozoology. Taxonomy, cytology, reproduction, and physiology of unicellular animals. Laboratory methods of culturing and studying. Prerequisite: one year of zoology including 102 or consent of instructor.

407-5 Parasitology. Principles, collection, identification, morphology, life histories, and control measures. Prerequisite: one year of zoology including 102.

408-4 Herpetology. Taxonomic groups, identification, morphology, and natural history of amphibians and reptiles. Prerequisite: one year of zoology, including 103.

409-5 Histology. Microscopic structure of organs and tissues with emphasis on mammalian forms. Prerequisite: 202.

410-5 Vertebrate Paleontology. History of vertebrate animals in terms of their morphological change, geological succession, and ecological relationships. Prerequisite: one year of zoology including 202 or Geology 221.

413-5 The Invertebrates. Structure, development, and natural history of invertebrates, except insects and parasites. Prerequisite: one year of zoology, including 102.

414-4 Freshwater Invertebrates. Taxonomic groups, identification and natural history of the regional fauna. Prerequisite: one year of zoology, including 102.

415-4 Limnology. Lakes and other inland waters, the organisms living in them, and factors affecting these organisms. Prerequisite: one year of zoology, including 102.

441-4 Developmental Biology. Principles of development and organization. Prerequisite: 300 and one course in cellular physiology, or consent of instructor.

459-4 Game Birds. Natural history and management. Prerequisite: one year of zoology including 103.

461-4 Mammalogy. Taxonomic groups, identification, and natural history of mammals. Prerequisite: one year of zoology including 103.

463-4 Wildlife Management. General survey of management techniques. Prerequisite: 15 hours of biological science, consent of instructor.

- 465-4 Ichthyology.** Taxonomic groups, identification, and natural history of fishes. Prerequisite: one year of zoology, including 103.
- 466-4 Fish Management.** Sampling, dynamics, and manipulation of fish populations, age and growth of fishes, and habitat improvement. Prerequisites: 15 hours of biological science, consent of instructor.
- 467-4 Ornithology.** Classification and recognition of birds and the study of their songs, nests, migratory habits, and other behavior. Cost of field trips may be \$5 to \$10 per student. Two lecture and 4 laboratory hours per week. Prerequisite: GSA 201b.
- 471-4 Entomology.** Principles of the structure, classification, and life histories of insects. Two lectures and 4 laboratory hours per week. Prerequisite: 102.
- 479-4 Animal Behavior.** The biological basis for the actions and responses of animals. Prerequisite: GSA 301, or 302, or equivalent.
- 508-4 Helminthology.**
- 512-3 Animal Geography.**
- 514-4 Advanced Entomology.**
- 520-5 Advanced Invertebrates.**
- 521-4 Advanced Limnology.**
- 525-5 Cytology.**
- 540-3 Factors in Animal Reproduction.**
- 542-3 Osteology.**
- 561-4 Game Mammals.**
- 566-4 Fish Culture.**
- 577-3 Population Ecology.**
- 578-4 Population Genetics.**
- 580-4 Advanced Systematics.**
- 581-3 Readings in Current Zoological Literature.**
- 582-6 (1,1,1,1,1) Graduate Zoology Seminar.**
- 583-3 (1,1,1) Teaching of Zoology in College.**
- 585-9 to 27 Seminars.**
- 596-3 to 12 Special Research.**
- 599-2 to 9 Master's Research and Thesis.**
- 600-3 to 48 Research and Dissertation.**

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Address Correction Requested

Southern Illinois University
Bulletin

Schedule of Classes
Southern Illinois University
at Edwardsville

Fall Quarter, 1970



This Bulletin

contains the schedule of classes to be offered by the Edwardsville Campus for the fall quarter, 1970. It also provides information relative to admission, advisement, registration, and fees.

Schedule of Classes

Fall, 1970

*Southern Illinois University
at Edwardsville*



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University Calendar

FALL, 1970 New Students Sunday–Tuesday, September 20–22
Quarter Begins Tuesday, September 22
Thanksgiving Vacation Tuesday, 10 P.M.–
Monday, 8 A.M., November 24–30
Final Examinations Saturday–Friday, December 12–18

WINTER, 1971 Quarter Begins Monday, January 4
Washington's Birthday Holiday Monday, February 15
Final Examinations Saturday–Friday, March 13–19

SPRING, 1971 Quarter Begins Monday, March 29
Memorial Day Holiday Monday, May 31
Final Examinations Saturday–Friday, June 5–11
Commencement (Edwardsville) Friday, June 11
Commencement (Carbondale) Saturday, June 12

SUMMER, 1971 Quarter Begins Monday, June 21
Independence Day Holiday Monday, July 5
Final Examinations Monday–Friday, August
30–September 3
Commencement (Edwardsville) Friday, September 3
Commencement (Carbondale) Saturday, September 4

Registration Calendar, Fall, 1970

EDWARDSVILLE CAMPUS

General Studies Advisement

July 1–September 22. Call General Studies Office for appointment.

Open Registration

August 24, 25, 31, September 1—1:00–6:30 P.M.

August 26, 27—9:00 A.M.–12:00 Noon; 1:00–4:00 P.M.

August 28—9:00 A.M.–12:00 Noon.

September 21—9:00 A.M.–4:00 P.M.

Central Registration

September 22—8:30 A.M.–6:30 P.M.

ALTON CENTER

Registration will be held in the Student Union. August 29—9:00 A.M.–2:00 P.M.

First day for program changes—September 14.

Evening classes (4:30 P.M. or later) begin—September 22.

Day classes begin—September 23.

Last day to add a class—September 29.

Last day to be eligible for a refund of fees—October 6.

Last day to withdraw from a class without receiving a grade—October 20.

Last day to withdraw from school or a class—November 30.

1 / General Information

THIS BULLETIN contains the schedule of classes to be offered for the fall quarter of the 1970-71 school year. It also provides information relative to advisement and registration, fees, and allied information.

The Edwardsville Campus provides a full schedule of class offerings for day and evening students. Freshman and sophomore courses are scheduled for day and evening students at the Alton Center.

Admission

Inquiries concerning admission to Southern Illinois University should be directed to the Admissions Office at Edwardsville. Applications for admission are accepted at any time during the calendar year but should be initiated at least 30 days prior to the start of the quarter which the student plans to attend.

A student must be officially admitted to the University before registration for classes will be permitted. Students who have not completed the admission requirements by the first day of the quarter will not be permitted to register. A student, to be permitted to attend classes at Southern Illinois University, must have completed registration, which includes admission, advisement, sectioning, and payment of fees.

Social Security Number

Each student seeking admission to the University will need to present a social security number for identification purposes. Any local social security office can provide assistance in obtaining a number or replacing a lost card.

At Alton the social security office is at 1623 Washington Street; at East St. Louis the office is at 435 Missouri Avenue; at Edwardsville the Illinois State Employment Office, 111 West Vandalia, provides social security information.

Required Tests

Each student entering Southern Illinois University directly from high school is required to furnish to the University scores on the test battery administered by the American College Testing Program (A.C.T.). These tests are given at regional test centers throughout the United States in October, December, February, May, and August. Information and application blanks are normally available through the high school guidance director or principal, or may be obtained by writing directly to: American College Testing Program, Box 168, Iowa City, Iowa.

A student who finds it impossible to take the A.C.T. tests may have scores from the College Entrance Examination Board (C.E.E.B.) sub-

mitted. The specific scores, which must be submitted if the C.E.E.B. tests are submitted, are Scholastic Aptitude Test, English Composition Test, and Mathematics (Intermediate) Test. In order to have identical test data, a student who submits C.E.E.B. test data will be required to submit scores from the A.C.T. no later than one month after registration.

Transfer students are required to furnish A.C.T. scores to the Student Counseling and Testing Center. (A transcript of these scores is available by sending one dollar and a written request to the American College Testing Program in Iowa City.) If the scores are on file at the student's former school, a request should be made for their forwarding. Test scores are not normally sent with a person's transcript of grades and must be requested separately from the appropriate office at the former school. If the A.C.T. tests have not been taken, arrangements to do so should be made.

Advisement

The advisement system requires all new students to have initial advisement through the General Studies Advisement Office. An office is maintained at the Alton Center for the convenience of the student. Freshmen and sophomores will continue to be advised each quarter prior to registration. Following the student's declaring a concentration (between reaching 64 and 96 hours of credit), the student is assigned to an adviser in his concentration area. Each student is required to declare a concentration upon achieving 96 hours of credit. Probationary students are also required to receive advisement prior to registration.

Graduate students, both classified and unclassified, must have their schedule approved at the Graduate Office before registering.

Students with a declared concentration in the Education Division must receive advisement from the Division office prior to registering.

All students should arrange to have advisement early to be sure their schedules will be approved before their registration.

Required Physical Examinations

Each new student desiring to enroll at Southern Illinois University is required to have a physical examination completed prior to his initial registration for classes. A special medical form is provided which is to be completed by the student and his personal physician and returned to the University Health Service.

Registration

Students may register at Edwardsville for classes at any location (see Edwardsville Registration Calendar, p. iv). Students wishing classes at the Alton Center, or at the Center and at Edwardsville, may register at the Alton Center during the period listed on the Registration Calendar. All General Studies students are required to have approval of their schedule by the General Studies Advisement Office.

Each classified graduate student must have his schedule approved by his adviser and the Dean of the Graduate School before registering for classes at the Enrollment Center. Unclassified graduate students need

only the approval of the Dean of the Graduate School. Special cards for this purpose are available at the Graduate Office, 2202 General Office Building.

During the registration process the student goes to the enrollment office where the assignment is made to specific sections of the courses he is to take.

New Students

Students entering the University for the first time are permitted to register only after they have been admitted to the University as evidenced by their receiving the Certificate of Admissions.

Dates for new undergraduate students, freshmen and transfer, will be selective ones in which the students are asked to come to the campus on specific registration dates as determined by the University. Students should not expect to be advised and registered on the same date they are admitted. Appointments for registration will be mailed from the Registrar's Office.

New graduate students after advisement may register during the registration period as shown on the Registration Calendar on page iv. Arrangements should be cleared with the Graduate School to assure that the appropriate adviser will be available before coming to the campus.

Re-Entering Students

Students who have attended the University at some former time but not during the session immediately prior to the time they plan re-entry are expected to register during the periods outlined in the Registration Calendar. Readmission must be completed prior to registration.

Current Students, Edwardsville Campus

For admittance to registration students previously enrolled must present their Southern Illinois University ID cards. No one will be permitted to register without an ID card. Each student currently registered in the University will be continued in his present course of study unless a change of concentration is made. A change of concentration is initiated with the chief academic adviser. The change should be made at the time of advisement; the registrar's copy of the change form should accompany the student's registration. A change of concentration made after a registration has been processed will not be reflected in the student's record until the next registration.

Upperclass students who have declared a concentration and who are currently registered in the University may be self-advised for registration purposes. This does not apply to Business Division or Education Division students. Academic advisement is available and is very desirable. The student should prepare his desired program of classes at each registration period and process through the sectioning area of the enrollment office in accordance with the time of his appointment in order to best achieve the desired schedule of classes and time periods.

Current Students, Carbondale Campus

A student currently enrolled in and attending classes on the Carbondale Campus who desires to register on the Edwardsville Campus will initiate

his registration at the sectioning area of the enrollment center in Edwardsville in accordance with the registration calendar except that he may register on the first day of the quarter. Each student will complete the intra-university transfer data form to secure information necessary for the Edwardsville data processing center preparation of registration materials. The student who registers on the first day of the quarter should present his most recent grade report to confirm scholastic eligibility to register.

For the purpose of advisement, the student may wish to have a copy of his transcript sent to the Edwardsville Campus prior to registration.

Payment of Fees

All fees are payable at the time of registration. Upon payment of fees, the fee statement and receipt card will be stamped by the Business Office and returned to the student as a fee receipt. The card should be carried at all times. It serves as official authorization to attend classes as scheduled and must be presented to obtain books and activity cards and to process program changes.

Students unable to pay fees at the time of registration may secure short-term loans from the Student Work and Financial Assistance Office. This must be done before registering.

Fees for a Regular Quarter

The fee schedule is as follows: *

	Not more than 5 hrs.	More than 5, less than 11	11 or more
Tuition Fee—Illinois Resident	\$22.00	\$45.00	\$67.00
Tuition Fee—Out of State Resident	(133.00)	(265.00)	(398.00)
Student Welfare and Recreation			
Building Trust Fund Fee	5.00	10.00	15.00
Book Rental Fee	3.00	6.00	8.00
Student Activity Fee	3.50	7.00	10.50
University Center Fee	5.00	5.00	5.00
Athletic Fund Fee	3.00	6.50	10.00
<i>Total</i> —Illinois Resident	\$41.50	\$79.50	\$115.50
<i>Total</i> —Out of State Resident	(152.50)	(299.50)	(446.50)

* Fees are subject to change whenever conditions make changes necessary.

Graduate students do not rent their textbooks and do not pay the book rental fee. They purchase their books.

Students having special fee status, such as scholarship holders, faculty, and staff, will pay fees according to their particular status. Prior to registration this student will go to the Student Work and Financial Assistance Office to secure certification.

Late Registration Fee

The first day of a quarter is considered the last day of the regular registration period. Registrations thereafter, including those for classes “to be arranged” are considered late registrations and are assessed a late registration fee of \$5.00.

Changing Fee Status

Students making program changes which result in their changing from one fee status to a higher fee status will be assessed additional tuition and fees. Students changing from a higher fee status to a lower fee status may apply for a refund provided the reduction in program is made officially by a program change during the same period at the start of a quarter in which students withdrawing from the University are eligible for a refund. This is usually during the first ten days. For dates refer to the Registration Calendar on page iv.

Academic Load

The normal class load is 16 quarter hours for undergraduate students and 12 quarter hours for graduate students. The maximum load for both is 18 hours. A student with a 4.25 average or above for the preceding quarter may be allowed by written permission of the chief academic adviser or by the dean of his division to take as many as 21 hours. In no case may a student carry or be credited with more than 21 hours in any quarter. A student on probation may not take more than 14 quarter hours.

A person should not register for more than 8 hours if he is employed full time.

The Selective Service System requires a minimum of 12 hours for an undergraduate and 8 hours for a graduate to qualify for a student deferment. There is a further requirement that he complete 48 hours each year.

The National Defense Education Act requires a minimum of 12 hours to qualify for a student loan.

For students receiving benefits under the "GI Bill" (P.L. 358) the following regulations apply:

	<i>Undergraduate</i>	<i>Graduate</i>
Full benefits	14 or more hrs.	12 or more hrs.
$\frac{3}{4}$ benefits	10-13 hrs.	9-11 hrs.
$\frac{1}{2}$ benefits	7-9 hrs.	6-8 hrs.

Prerequisites

Students are responsible for checking course prerequisites in the undergraduate and graduate catalogs and in this class schedule. Those who do not have specific prerequisites for a course may register for it only if they have had a comparable course or have written consent of the instructor.

Auditing of Courses

A student may register for courses in an "audit" status. He receives no letter grade and no credit for such courses. An auditor's registration

card must be marked accordingly. He pays the same fees as though he were registering for credit. He is expected to attend regularly and is to determine from the instructor the amount of work expected of him. If an auditing student does not attend regularly, the instructor may determine that the student should not have the audited course placed on his record card maintained in the Registrar's Office. A student registering for a course for credit may change to an audit status or vice versa only for fully justified reasons and only during the first four weeks of a quarter.

Registering for and Dropping Courses

Mere attendance does not constitute registration in a class, nor will attendance in a class for which a student is not registered be a basis for asking that a program adjustment be approved permitting registration in that class. A student is officially registered only for those courses and sections appearing on his registration cards. Changes can be made only after fees are paid and must be made through an official program change at the Enrollment Center.

A student desiring to make a program change must secure approval of his adviser. He will then go to the Enrollment Center. (A student at Alton may initiate his request to drop a course by going to the General Office.) He is required to present his fee receipt program card and must complete the following procedure. (1) After having been cleared with the Enrollment Center, program changes for which a program change fee is assessed must be presented to the Business Office for payment. (2) The student immediately returns the program change to the Enrollment Center in the Registrar's Office for final processing. (3) A student has not completed his program change until he presents it to the Enrollment Center. **NO CHANGE IS OFFICIAL UNTIL THE PRECEDING PROCEDURE IS COMPLETED.**

A student who finds it necessary to make an adjustment to his program by adding or dropping a course may do so during normal office hours at the Edwardsville Enrollment Office. (No changes will be made on the first day of the quarter.) A program adjustment must be made to drop or add a course. A student may not drop a course merely by stopping attendance. Failure to officially drop a course may result in academic penalty.

Withdrawal from School

A student who finds it necessary to withdraw from school while the quarter is in progress must report to the Student Affairs Office to initiate official withdrawal action. No withdrawal will be permitted during the last two weeks of a quarter except under exceptional conditions. A refunding of fees is permitted only if a withdrawal is officially completed within the first two weeks of a quarter and if the application for a refund is received in the Registrar's Office within two weeks following the last regular registration period. See the Registration Calendar in this bulletin for the specific dates concerning withdrawal and refunding of fees.

A student who registers and then finds that he cannot attend school must also officially withdraw from school. He may do this by asking the Student Affairs Office to initiate official withdrawal action for him. This must be done by the end of the first two weeks if he expects to get a refund.

Cancellation of Registration

A registration including the payment of tuition and fees may be considered invalid if the student is declared to be ineligible to register due to scholastic reasons. The same situation may exist due to financial or disciplinary reasons if certified to the Registrar by the Director of Student Affairs.

Personal Data Changes

Changes in personal data should be reported promptly. Types of change and method of reporting are:

1. ADDRESS CHANGES. Should be reported immediately either at the time of registration or at the Registrar's Office.
2. NAME CHANGES. Should be made at the Registrar's Office. Verification is required.
3. MARITAL STATUS CHANGES. Should be made at the Registrar's Office.
4. LEGAL RESIDENCE CHANGES (whether an Illinois or out-of-state resident.) Must be requested by completion of the *Application to be Classified an Illinois Resident* form in the Registrar's Office. Before the change is made the student must have met the regulations governing residency status as established by the Board of Trustees.

Hospitalization

Health and hospitalization insurance is offered to all students. Cost of the insurance is \$12.06 per quarter for single and \$38.19 per quarter for family plan. This insurance is available at the time of registration.

2 / Schedule of Classes

The University reserves the right to cancel, combine, divide, or limit enrollment in any class or classes; to change the date, time, or place of meeting; to make any other revisions in these course offerings which may become desirable or necessary; and to do so without notice and without incurring obligation.

Explanation of the Schedule

Courses are listed numerically within each subject-matter area. The entry for each course is arranged as follows:

First Line: The course's identification number is followed by the number of quarter hours of credit and the descriptive title. The prerequisites, if any, appear in brackets after the title or on the line immediately below the title.

Section-Number Lines: The first column lists the section numbers. Those sections offered at Edwardsville always begin with 0; those sections offered at Alton always begin with 2. Following each section number is the time the class begins, between 8:00 A.M. and 4:20 P.M. for daytime classes. At ending time is listed only if the class period is longer than 50 minutes. The section number of each evening class has the letter E prefixed. The days when the class meets, the place where it meets, and the instructor's last name complete the entry.

The course numbering system is as follows:

000-099 Courses not properly falling in the following categories

100-199 For freshmen

200-299 For sophomores

300-399 For juniors and seniors

400-499 For seniors and graduate students

500-600 For graduate students only

Students registering for courses listed as TBA (to be arranged) should consult the instructor indicated, or the faculty office if no instructor is listed, to determine time and place of meeting.

The following list of building abbreviations will help in the location of classrooms.

ANA	—Annex A—Alton
CB	—Communications Bldg.—Edwardsville
ESL	—East St. Louis Center
Gym	—Gymnasium—Alton
LB	—Lovejoy Memorial Library—Edwardsville
LH	—Loomis Hall—Alton
PB	—John Mason Peck General Classroom Building—Edwardsville

SCI —Science Building—Alton
SL —Science Laboratory Building—Edwardsville
UC —University Center—Edwardsville
Wagner —Wagner Building—Edwardsville
Pract Ctr—Practicum Center—Edwardsville

Final Examination Schedule, Fall Quarter, 1970

Dec. 12, 14-18, 1970

	Mon. Dec. 14	Tues. Dec. 15	Wed. Dec. 16	Thurs. Dec. 17	Fri. Dec. 18	Sat. Dec. 12
8:00 to 9:40	All classes beginning at 8:30, except Tu and/or Th only	Classes beginning at 8:30 Tu and/or Th only	Classes beginning at 9:30 Tu and/or Th only	All classes beginning at 9:30, except Tu and/or Th only	Multiple Section Block (GSA 201) See Announcement	At regular class sessions
10:00 to 11:40	Classes beginning at 10:30 Tu and/or Th only	All classes beginning at 11:30, except Tu and/or Th only	All classes beginning at 10:30, except Tu and/or Th only	Classes beginning at 11:30 Tu and/or Th only	Make-up	
12:20 to 2:00	All classes beginning at 1:30, except Tu and/or Th only	All classes beginning at 12:30, except Tu and/or Th only	Multiple-Section Block (Speech) See Announcement	Classes beginning at 1:30 Tu and/or Th only	Classes beginning at 12:30 Tu and/or Th only	
2:20 to 4:00	Classes beginning at 2:30 Tu and/or Th only	Classes beginning at 3:30 Tu and/or Th only	All classes beginning at 3:30, except Tu and/or Th only	All classes beginning at 2:30, except Tu and/or Th only	Make-up	
Evening Classes	At regular sessions					



Listing of Classes

MAN'S PHYSICAL ENVIRONMENT AND BIOLOGICAL INHERITANCE (GSA)

GSA *con't.*

101a-5	Introduction to Physical Science [Math 101 or satisfactory score on placement test]	201a-4	Man's Biological Inheritance
Lect A	9:30 MTWThF SL 1105	Lect A	8:30 MWF SL 1105
Lect B	10:30 MTWThF SL 1105	Lect B	12:30 TThF SL 3114
Lect C	1:30 MTWThF SL 1105	Lect D	8:30 TThS SL 1105
Lect D	10:30 MTWThF PB 0312	eLect E	5:30 MWF SL 1105
001	8:30-10:20 M SL 1217	001	8:30-10:20 M SL 1210
002	10:30-12:20 M SL 1217	002	10:30-12:20 M SL 1210
003	12:30-2:20 M SL 1217	003	12:30-2:20 M SL 1210
004	2:30-4:20 M SL 1217	004	2:30-4:20 M SL 1210
005	8:30-10:20 T SL 1217	e005	4:30-6:20 M SL 1210
006	10:30-12:20 T SL 1217	e006	6:30-8:20 M SL 1210
007	12:30-2:20 T SL 1217	011	8:30-10:20 T SL 1210
008	2:30-4:20 T SL 1217	012	10:30-12:20 T SL 1210
009	8:30-10:20 W SL 1217	013	12:30-2:20 T SL 1210
010	10:30-12:20 W SL 1217	014	2:30-4:20 T SL 1210
011	12:30-2:20 W SL 1217	e015	4:30-6:20 T SL 1210
012	2:30-4:20 W SL 1217	e016	6:30-8:20 T SL 1210
013	8:30-10:20 Th SL 1217	021	8:30-10:20 W SL 1210
014	10:30-12:20 Th SL 1217	022	10:30-12:20 W SL 1210
015	12:30-2:20 Th SL 1217	023	12:30-2:20 W SL 1210
016	2:30-4:20 Th SL 1217	024	2:30-4:20 W SL 1210
017	8:30-10:20 F SL 1217	e025	4:30-6:20 W SL 1210
018	10:30-12:20 F SL 1217	e026	6:30-8:20 W SL 1210
019	12:30-2:20 F SL 1217	031	8:30-10:20 Th SL 1210
020	2:30-4:20 F SL 1217	032	10:30-12:20 Th SL 1210
021	8:30-10:20 S SL 1217	033	12:30-2:20 Th SL 1210
022	10:30-12:20 S SL 1217	034	2:30-4:20 Th SL 1210
e023	6:30-8:20 M SL 1217	e035	4:30-6:20 Th SL 1210
e024	6:30-8:20 T SL 1217	e036	6:30-8:20 Th SL 1210
101c-3	Introduction to Physical Science [101a]	041	8:30-10:20 F SL 1210
001	1:30 T Th SL 3114	042	10:30-12:20 F SL 1210
002	8:30-10:20 M SL 1209	043	12:30-2:20 F SL 1210
	1:30 T Th SL 3114	044	2:30-4:20 F SL 1210
003	8:30-10:20 W SL 1209	e045	4:30-6:20 F SL 1210
	1:30 T Th SL 3114	e046	6:30-8:20 F SL 1210
	8:30-10:20 T Th SL 3114	051	9:30-11:20 S SL 1210

		12:30-2:20		M	SL 1209			001	3:30-4:45	M W	PB 1412	Clements
		1:30	T Th	SL 3114			002	9:30	MWF	PB 0306	Kircher	
		12:30-2:20	W	SL 1209			003	9:30	T	PB 0306	Bridwell	
		1:30	T Th	SL 3114			004	8:30-10:20	Th	PB 0306		
		12:30-2:20	F	SL 1209			005	8:30	MWF	PB 1410	Bridwell	
		1:30	T Th	SL 3114			e006	8:05-9:20	T Th	PB 1410	Kircher	
		2:30-4:20	T	SL 1209			e007	8:30-9:45	M W	PB 1410	Wallace	
		1:30	T Th	SL 3114				4:30-5:45	T Th	PB 0306	Lossau	
		2:30-4:20	Th	SL 1209			320-3	Plants and Civilization [201]				
		1:30	T Th	SL 3114			001	12:30	MWF	PB 1316	Keating	
		8:30-10:20	S	SL 1209			322-3	Introduction to Rocks and Minerals				
110a-4		001	2:30	MTWTh	PB 1410	Thompson	001	10:30	TWThF	SL 1215	Gore	
		2:30-4:20	Th	SL 1215			001	10:30	MWF	PB 1316	N. Parker	
		002	2:30	MTWTh	PB 1410	Thompson	001	Weather				
		2:30-3:20	F	SL 1215			001	3:30	MTWTh	PB 0306	Thornton	
		11:30	MTWTh	PB 1410			002	12:30	MTWF	PB 0306	Bridwell	
		11:30-1:20	F	SL 1215			003	10:30	MTWF	PB 0306	Kazeck	
		11:30	MTWTh	PB 1410			e004	6:30-8:20	M W	PB 0306	Thornton	
		11:30-1:20	Th	PB 0306			331-3	Climate				
		9:30	MTWF	SL 3114			001	2:30	TWThF	PB 0306	Baker	
		11:30-1:20	Th	SL 1215			002	1:30	TWThF	PB 0306	Hess	
		9:30	MTWF	SL 3114			003	11:30	MTWF	PB 0306	Collier	
		8:30-10:20	Th	SL 1215			e004	6:30-8:20	T Th	PB 0306	Hess	
		8:30	MTWF	PB 0306			350-3	Atomic Energy				
		8:30-10:20	F	SL 1215			001	8:30	MWF	SL 1220		
		6:00-8:20	M W	SL 1215			002	12:30	MWF	LB 0055		
								352-3	Radiation and Life			
		201	9:30	MTW	ANA 110	Thompson	001	11:30	MWF	PB 1312	Parrill	
		8:30-10:20	Th	ANA 110			356-3	Astronomy				
110b-4		The Earth and Its Environment						001	1:30	MWF	LB 0055	
		001	12:30	TWThF	PB 1410	Gore	002	9:30	TThS	SL 2224		
		11:30-1:20	T	SL 1215			003	10:30	TThS	SL 2224		
		12:30	TWThF	PB 1410			e004	8:30-9:45	M W	SL 1105		
		11:30-1:20	M	SL 1215			005	8:05-9:20	T Th	PB 2306		
		9:30	TWThF	PB 1410			006	12:30	MWF	PB 1315		
		8:30-10:20	T	SL 1215			363a-3	Philosophy of Science (Same as GSC 363a)				
		9:30	TWThF	PB 1410				tion second-level GSA]				
		8:30-10:20	M	SL 1215			001	8:30	MWF	PB 0307	Wolf	
		6:00-8:20	T Th	SL 1215			002	9:30	MWF	PB 0412	Wolf	

017	12:30	MWF	PB 1402	Jacobitti	203b-4	001	8:30	MTWTh	LB 0054	Goodman
018	1:30	T	SL 1220	Jacobitti		002	9:30	MTWTh	LB 0056	Feeney
019	12:30	MWF	PB 1402	Jacobitti		003	10:30	MTWTh	LB 0056	Jachim
020	1:30	Th	SL 1220	Haas		004	11:30	MTWTh	LB 0054	McHargue
021	2:30	MWF	PB 1402	Haas		e005	1:30	MTWTh	PB 2304	Jacobitti
022	2:30	T	SL 1225	Haas		e006	4:30	MTWTh	PB 2304	McCabe
023	2:30	MWF	PB 1402	Haas		007	3:30	MTWTh	PB 1410	Hess
024	2:30	Th	SL 1225	Haas		001	3:30	TWThF	PB 1410	Lampe
025	2:30	MWF	PB 1402	Haas		002	1:30	TWThF	PB 1410	Lampe
026	2:30	T	LB 0055	Haas		003	10:30	History of the United States	PB 1307	Brayman
027	2:30	MWF	PB 1402	Jacobitti		001	8:05-9:20	T Th	PB 1307	Barnhart
028	2:30	Th	PB 3310	Jacobitti		002	8:30	MWTh	PB 1306	McCurry
029	2:30	T	PB 1402	Jacobitti		003	9:30	S	PB 1306	Brayman
030	2:30	MWF	PB 1402	Jacobitti		004	9:00-12:00	MWF	PB 3315	Nordhauser
e031	2:30	Th	PB 3310	Jacobitti		005	1:30	MWF	PB 3316	Branz
031	2:30	T	PB 1402	Jacobitti		006	2:30	MWF	PB 3316	Nordhauser
032	2:30	MWF	PB 1402	Jacobitti		007	3:30	M W	PB 1307	Barnhart
033	2:30	Th	PB 0307	Jacobitti		e008	8:30-9:45	T Th	PB 1307	Wilton
034	2:30	MWF	PB 1402	Jacobitti		e009	8:30-9:45	History of the United States	PB 1307	Barnhart
035	2:30	T	PB 2409	Jacobitti		001	8:30	MWF	PB 1307	Weiss
036	2:30	MWF	PB 1402	Jacobitti		002	11:30	MWF	PB 3315	Brayman
037	2:30	Th	PB 2409	Jacobitti		003	12:30	M W	PB 1306	Grant
038	2:30	MWF	PB 1402	Jacobitti		e004	8:30-9:45	History of the United States	PB 1307	Riddleberger
039	2:30	T	PB 2411	Jacobitti		001	9:30	MWF	PB 3315	Weiss
040	2:30	MWF	PB 1402	Jacobitti		002	12:30	MWF	PB 3315	Brayman
041	2:30	Th	PB 2411	Jacobitti		003	2:30	MWF	PB 3315	Grant
042	2:30	M W	PB 2405	Jacobitti		003	2:30	Contemporary Social Problems	PB 3315	Riddleberger
043	2:30	MTThF	ANA 101	Jacobitti		e001	5:30	MWF	PB 0304	Weiss
044	2:30	M W	ANA 104	Jacobitti		002	2:30	TWTh	PB 2306	Brayman
045	2:30	Survey of Western Tradition	PB 1306	Jacobitti		003	10:30	MWF	PB 2306	Grant
046	2:30	MTWF	PB 1306	Jacobitti		001	12:30	Urban Environmental Problems	PB 1412	Roth
047	2:30	MTThF	PB 1306	Jacobitti		001	12:30	TWTh	PB 1412	Roth
048	2:30	MTWTh	PB 1306	Jacobitti		001	12:30	Economic Development of the United States [101c or 103b]	PB 1412	Roth
049	2:30	MTWF	PB 1306	Jacobitti		001	12:30-2:20	T Th	PB 3316	Roth
050	2:30	T Th	PB 2405	Jacobitti		001	12:30-2:20	T Th	PB 3316	Roth

318a-3	001	State Government	MTWTh	PB 3306	Davis	
318b-3	001	Local Government	MTWTh	PB 3306		
331-3	e001	The American Educational System	MTWTh	PB 3306	Tubbesing	
	e002	5:30-8:20	M	PB 0403	Taylor	
	e003	5:30-8:20	T	PB 0409		
	e004	5:30-8:20	W	LB 0055	Hofmann	
	e005	5:30-8:20	Th	PB 0409		
	006	9:30-12:20	S	PB 1311	Andris	
	007	8:30-9:45	T Th	LB 0055	Richards	
	008	10:00-11:15	T Th	LB 0055	Taylor	
	009	11:30-12:45	T Th	LB 0055	Richards	
	010	1:00-2:15	T Th	LB 0055	Taylor	
	011	2:30-3:45	T Th	PB 0403	Hildebrand	
	012	12:30-1:45	M W	PB 2403	Hildebrand	
	013	2:30-3:45	M W	PB 2403	Allsup	
341-3	001	10:30	MWF	CB 0186		
	e001	Marriage				
	002	5:30-8:20	M	PB 2306	Biggs	
388-3	001	1:30	MWF	PB 1316	D. Taylor	
	002	Communism [Completion second-level GSB]				
	003	12:30	TThF	PB 2412	Christensen	

MAN'S INSIGHTS AND APPRECIATIONS (GSC)

151-3	001	Introduction to Poetry [GSD 101b]	T Th	PB 1309		
	002	8:05-9:20	MWF	PB 1309		
	003	8:30	MWF	PB 1302		
	004	9:30	MWF	PB 1309		
	005	9:30-10:45	T Th	PB 1309		
	006	10:30	MWF	PB 1309		
	007	11:05-12:20	T Th	PB 2413		
	008	11:05-12:20	T Th	PB 1309		
	009	11:30	MWF	PB 1309		
	010	12:20	MWF	PB 1309		
	011	12:30-1:45	T Th	PB 1309		

	012	12:30	M W	SL 3114		Linden
		12:30	Th	PB 1402		
		8:30	T	PB 0307		
	013	12:30	M W	SL 3114		Linden
		12:30	Th	PB 1402		
		9:30	T	PB 1306		
	014	12:30	M W	SL 3114		Linden
		12:30	Th	PB 1402		
		10:30	T	PB 0314		
	015	12:30	M W	SL 3114		Linden
		12:30	Th	PB 1402		
		9:30	W	PB 2411		
	016	9:30	MTThF	PB 1312		
	017	1:30	MTThF	PB 1312		
	e018	6:30-8:20	T Th	PB 1315		Wolf
	e019	8:30-10:20	M W	PB 1312		Mocco
253-4		Literary Masterpieces of Antiquity [151]				
	001	8:30	MTThF	PB 1311		
	002	8:30	MTThF	PB 0314		
	003	9:30	MTThF	PB 1311		
	004	10:30	MTThF	PB 1311		
	005	11:30	MTThF	PB 1311		
	006	12:30	MTThF	PB 1311		
	007	1:30	MTThF	PB 1311		
	008	2:30	MTThF	PB 1311		
	009	3:30	MTThF	PB 1311		
	e010	6:30-8:20	M W	PB 1311		
	e201	8:30-10:20	M W	ANA 101		
254-4		Philosophical	Masterpieces	[Completion	first-level	
		GSC]				
	001	8:30	MTThF	PB 0413		Solon
	002	9:30	MTThF	PB 0413		Christensen
	003	10:30	MTThF	PB 0413		
	004	10:30	MTThF	PB 0412		Christensen
	005	11:30	MTThF	PB 0413		Hudlin
	006	11:30	MTThF	PB 0412		Solon
	007	12:30	MTThF	PB 0412		

155-5	013	2:05-3:20	T Th	PB 1309				e009	6:30-8:20	M W	PB 0314	Hamrick
	014	2:30	MWF	PB 1309				e010	8:30-10:20	T Th	PB 0314	Hudlin
	015	3:30	MWF	PB 1309				313-3	Folklore [Completion second-level GSC]			
	e016	8:30-9:45	T Th	PB 1309			001		2:30-3:45	T Th	PB 0309	
		Introduction to Art						e002	6:30-7:45	T Th	PB 0309	
156-5	001	3:30	MTWThF	LB 0044				325-3	Afro-American Literature [Completion second-level GSC]			
	002	9:30	MTWThF	LB 0044			001		10:30	T Th	PB 3404	Hudlin
	003	8:30	MTWThF	LB 0044				002	10:30	F	PB 3316	
		Introduction to Music History-Literature							11:30	T Th	PB 0309	
	001	1:30	MTWThF	PB 1402		Pival, Schieber			11:30	F	PB 3303	
157-5	e201	6:00-8:20	T Th	SCI 201		H. Fjerstad		330-3	XX Religion, Reason, and Man [Completion first-level GSC]			
	001	10:30	MTWThF	LB 0044			001		9:30	T Th	PB 0309	F. Marti
252-4	002	1:30	MTWThF	LB 0044					9:30	F	PB 0403	
	001	8:05-9:20	T Th	SL 3114		Pletcher		333-3	The Bible as Literature [Second-level GSC]			
	002	8:30	F	LB 0056			001		1:30	T Th	PB 0307	Murdoch
	002	8:05-9:20	T Th	SL 3114		Pletcher		002	1:30	F	PB 0403	
	003	8:05-9:20	M	PB 3305				335-3	Studies in Short Fiction [Completion second-level GSC]			
004	11:30	M	PB 0312		Pletcher		001		8:30	MWF	PB 0309	
253-4	004	8:05-9:20	T Th	SL 3114		Pletcher		002	10:30	MWF	PB 0309	
	005	9:30	F	PB 0314				e003	8:30-9:45	M W	PB 0309	
	006	8:05-9:20	T Th	SL 3114		Pletcher		336-3	Studies in the Novel [Completion second-level GSC]			
	007	10:30	Th	PB 0306			001		1:30	MWF	PB 0309	
	008	10:30	MWF	SL 3114		Glossop		e002	6:30-7:45	M W	PB 0309	
254-4	007	8:30	F	PB 0403				337-3	The English Language Heritage [Completion second-level GSC]			
	008	10:30	MWF	SL 3114		Glossop	001		9:30	MWF	PB 0309	
	009	12:30	W	PB 1311				339-3	Classical Mythology and Its Influence [Completion second-level GSC]			
	010	10:30	MWF	SL 3114		Glossop	001		11:30	MWF	PB 0309	
	011	10:30	Th	LB 0044				002	2:30	MWF	PB 0309	
255-4	010	9:30	MWF	SL 3114		Glossop		340-3	Modern Art A			
	011	10:30	MWF	SL 3114			001		2:30	MWF	LB 0044	
	012	10:30	Th	PB 1306		Linden		345c-3	Masterpieces of World Literature [Completion second-level GSC]			
	013	12:30	M W	SL 3114			001		2:30	MWF	PB 2409	Guenther
	014	12:30	Th	PB 1402				001	8:30	MWF	PB 2409	Guenther

[illegible]

005	8:30	MWF	PB 3422	012	12:30	MWF	PB 3312		
006	8:30	MWF	PB 3409	013	12:30-1:45	T Th	PB 3311		
007	8:30	MWF	PB 2415	014	12:30-1:45	T Th	PB 3312		
008	8:30	MWF	PB 2414	015	1:30	MWF	PB 3311		
009	8:30	MWF	PB 2413	016	1:30	MWF	PB 3312		
010	8:30	MWF	PB 2406	017	12:30-1:45	T Th	PB 2413		
011	9:30	MWF	PB 3422	018	2:05-3:20	T Th	PB 3312		
012	9:30	MWF	PB 3409	019	2:30	MWF	CB 0186		
013	9:30	MWF	PB 2415	020	2:30	MWF	PB 3311		
014	9:30	MWF	PB 2414	021	3:30	MWF	CB 0186		
015	9:30	MWF	PB 2413	022	3:30	MWF	PB 2413		
016	9:30	MWF	PB 2406	e023	6:30-7:45	M W	PB 1309		
017	10:30	M	PB 3422	e024	8:30-9:45	T Th	PB 2415		
	10:30	W	PB 0412	103-3	Oral Communication of Ideas				
	10:30	F	PB 0409	001	3:30-4:45	M W	CB 0194	Salden	
018	10:30	MWF	PB 3409	002	2:30	T Th	CB 0194	Stoppe	
019	10:30	MWF	PB 2415		2:30	F	PB 3313		
020	10:30	MWF	PB 2414	003	2:30	M W	PB 0412	Stoppe	
021	10:30	MWF	PB 2413		2:30	F	PB 3313		
022	9:30-10:45	T Th	PB 2413	004	2:30-3:45	T Th	CB 0186	Maag	
023	9:30-10:45	T Th	PB 3422	005	2:05-3:20	T Th	LB 0057	Carey	
024	9:30-10:45	T Th	PB 3409	006	1:30	MWF	CB 0194	Tirre	
025	9:30-10:45	T Th	PB 2415	007	1:30	T Th	CB 0186	Robinson	
026	9:30-10:45	T Th	PB 2414		1:30	F	PB 3313		
027	11:05-12:20	T Th	PB 3422	008	1:30	M W	LB 0057	Robinson	
028	11:05-12:20	T Th	PB 3409		1:30	F	PB 3313		
029	11:05-12:20	T Th	PB 2415	009	1:30	MWF	CB 0186		
030	11:05-12:20	T Th	PB 2414	010	12:30-1:45	T Th	LB 0057	Salden	
031	11:30	MWF	PB 3422	011	12:30	MWF	LB 0057	Mulvany	
032	11:30	MWF	PB 3409	012	12:30	T Th	CB 0186	Tirre	
033	11:30	MWF	PB 2415		12:30	F	PB 3313		
034	11:30	MWF	PB 2414	013	12:30	M W	CB 0186	Tirre	
035	11:30	MWF	PB 2413		12:30	F	PB 3313		
037	12:30	MWF	PB 3422	014	11:30	T Th	LB 0057	Tirre	
038	12:30	MWF	PB 3409		11:30	F	PB 3313		
039	12:30	MWF	PB 2415	015	11:30	M W	LB 0057	Tirre	
040	12:30	MWF	PB 2414		11:30	F	PB 3313		
041	12:30	MWF	PB 2413	016	10:30	T Th	PB 1302	Goethe	
043	12:30-1:45	T Th	PB 3422		10:30	F	PB 3303		

017	10:30	M W	PB 1302	Goehe		012	9:30	MTWThF	SL 0226	
	10:30	F	PB 3303			013	10:30	MTWThF	PB 0303	
018	10:30	T Th	LB 0057	Glenn		014	11:30	MTWThF	PB 0302	
	10:30	F	PB 3313			015	12:30	MTWThF	PB 0303	
019	10:30	M W	LB 0057	Glenn		016	12:30	MTWThF	PB 0302	
	10:30	F	PB 3313			e017	6:00-8:20	M W	PB 0302	
020	9:30	TThF	PB 0410	Glenn						
021	9:30	MWF	LB 0057	St. Onge		201	11:30	MTWThF	SCI 002	
022	9:30	T Th	LB 0057	Goehe		e202	6:00-8:20	M W	SCI 002	
	9:30	F	PB 3303			114c-4	Trigonometry [GSD 114a]			
023	9:30	M W	PB 0410	Goehe		001	8:30	MTThF	PB 0302	
	9:30	F	PB 3303			002	9:30	MTThF	SL 1224	
024	9:30	T Th	PB 1302			003	1:30	MTThF	PB 0302	
	9:30	F	PB 3313			004	2:30	MTThF	PB 0302	
025	9:30	M W	PB 1302			e005	6:30-8:20	M W	PB 0304	
	9:30	F	PB 3313			114d-4	Statistics [114a]			
026	8:30	MWF	LB 0057	Goehe		001	10:30-12:20	T Th	PB 1316	
e027	4:30-5:45	M W	PB 1309	Robinson		e002	6:30-8:20	T Th	PB 1410	
e028	4:30-5:45	T Th	PB 1309	Wiltz		003	10:30	MTThF	SL 0226	
e029	4:30-5:45	M W	PB 0302			004	10:30	MTThF	PB 0302	
e030	6:30-7:45	T Th	PB 1309	Robinson		005	2:30	MTWTh	SL 1224	Rutledge
e031	8:30-9:45	T Th	PB 3102	Robinson		006	9:30	MTThF	PB 0302	Sturley
032	8:05-9:20	T Th	PB 2413			123a-3	Elementary French [No previous training]			
033	12:30-1:45	W	PB 0412			e001	6:30-7:45	T Th	PB 2409	
	12:30-1:45	F	PB 0406			002	1:30	MTTh	PB 2409	
	1:30	T F	PB 1308			003	11:30	MTTh	PB 2409	
034	1:30	W	PB 1412			004	9:30	MTTh	PB 2409	
	1:30	T	PB 1302			123c-3	Elementary French [123b]			
035	11:30	W	PB 0410			001	9:30	MTTh	PB 2410	
	11:30	F	PB 3102			126a-3	Elementary German [No previous training]			
	12:30	T Th	PB 1308			e001	5:30-6:45	T Th	PB 2410	
036	12:30	F	PB 3316			002	2:30	MTTh	PB 2409	
	12:30					003	11:30	MTTh	PB 2410	
						004	9:30	MTTh	PB 2411	
201	9:30	MWF	ANA 111	Hawkins		136a-3	Elementary Russian [No previous training]			
e202	6:30-7:45	M W	ANA 111	Glenn		001	10:30	MTTh	PB 2409	Zaytzeff
e203	8:30-9:45	M W	ANA 111	Glenn		002	8:30	W S	PB 1313	Zaytzeff
112a-4	Introduction to Mathematics [One year high school						8:30	F	PB 3312	

001	11:30	MWF	SL 1105	Phillips	e001	6:30-7:45	M W	PB 2409
002	8:30	T S	SL 1224	Phillips	002	12:30	MTTh	PB 2409
002	11:30	MWF	SL 1105	Phillips	003	10:30	MTTh	PB 2410
003	12:30	T Th	SL 1312	Phillips	004	8:30	MTTh	PB 2410
003	11:30	MWF	PB 1105	Phillips	144a-3	Elementary Italian [No previous training]		
004	11:30	T S	SL 1224	Phillips	001	11:30	MTTh	PB 2411
004	11:30	MWF	SL 1105	Phillips	002	10:30	MTTh	PB 2411
005	11:30	T S	SL 1225	Phillips	003	8:30	W S	PB 2410
005	11:30	MWF	SL 1105	Phillips		8:30	F	PB 3303
006	8:30	T Th	SL 1221	Phillips				
006	11:30	MWF	SL 1105	Phillips				
007	12:30	T Th	LB 0054	Phillips				
007	11:30	MWF	SL 1105	Phillips	102-1	Physical Fitness (Men)		
008	11:30	T Th	PB 1414	Phillips		Both sections meet first eight weeks only.		
008	2:30	MTThF	PB 0303	Phillips	001	10:30	MWF	PB N Patio
					002	9:30	TWTh	PB N Patio
e201	6:30-8:20	M W	SCI 003		104f-1	Soccer (Men)		
112b-5	Introduction to Mathematics [112a]					Meets first eight weeks only.		
001	2:30	MTWThF	PB 1312	Verderber	001	12:30	MWTh	PB N Patio
114a-5	College Algebra [One and one-half years high school algebra, one year high school geometry or equivalent]				104n-1	Cross Country		
001	1:30	MWF	SL 3114	Gwillim		Meets first eight weeks only.		
001	1:30	T Th	SL 0226	Gwillim	001	2:00	TWTh	PB N Patio
002	1:30	MWF	SL 3114	Gwillim	104t-1	Touch Football		
003	3:30	T Th	SL 0226	Gwillim		Meets first eight weeks only.		
003	1:30	MWF	SL 3114	Gwillim	001	1:30	TWTh	PB N Patio
004	2:30	T Th	PB 2403	Gwillim	104u-1	Wrestling		
004	1:30	MWF	SL 3114	Gwillim	001	12:30-2:20	M	TBA
005	2:30	T Th	PB 2304	Gwillim	112-1	Basic Body Movement (Women)		
005	1:30	MWF	SL 3114	Gwillim	001	9:30	T Th	LB 0033
006	8:30-10:20	S	PB 0302	Gwillim	114f-1	Soccer (Women) [Consent of instructor]		
006	1:30	MWF	SL 3114	Gwillim		Meets first eight weeks only.		
007	10:30-12:20	S	LB 0055	Gwillim	001	2:30	MWF	PB N Patio
007	1:30	MWF	SL 3114	Gwillim	114n-1	Field Hockey (Women) [Consent of instructor]		
008	2:30	T Th	SL 0226	Gwillim		Meets first eight weeks only.		
008	2:30	MTWThF	PB 1306	Gwillim	001	1:30	MWF	PB N Patio
009	8:30	MTWThF	SL 2224	Gwillim	114o-1	Physical Conditioning (Women)		
010	8:30	MTWThF	PB 0303	Gwillim	001	2:30	M W	PB W Patio
011	9:30	MTWThF	PB 0303	Gwillim	115a-1	Restricted Physical Education		
					001	TBA		Buddell

HEALTH AND PHYSICAL DEVELOPMENT (GSE)

707-4				Anthropology and Modern Life			
470-4	001	12:30	TWThF	PB 3310	Schusky		
				Special Topics in Anthropology: South Asia			
483-3 to 18	001	10:30	MTWTh	PB 3310	Aschenbrenner		
				Individual Study in Anthropology			
508a-4	001	TBA					
				Pro-Seminar in Cultural Anthropology			
	001	1:30-3:20	W	PB 1313	Voget		
		9:30-11:20	S	PB 1313			

ART (ART)

050-3	001	Avocational Painting [For non-art students only]					
		8:30-12:30	S	Wagner 198			
051-3	001	Avocational Ceramics [For non-art students only]					
		8:30-12:30	S	Wagner 192			
100a-5	e001	Basic Studio: Drawing					
		6:30-9:50	MWF	SL 0210			
	002	1:30-5:20	T Th	SL 0210			
	003	8:30-11:20	MWF	SL 0210			
100b-5	001	Basic Studio: Color and Design					
		11:30-2:20	MWF	SL 0217			
	002	8:30-11:20	MWF	SL 0217			
100c-5	001	Basic Studio: Figure Drawing					
		2:30-5:20	MWF	SL 0225			
	002	8:30-11:20	MWF	SL 0225			
202a-3	001	Intermediate Studio: Sculpture [100a,b,c]					
		2:30-5:20	T Th	Wagner 193			
202b-3	001	Intermediate Studio: Printmaking [100a,b,c]					
		8:30-11:20	T Th	SL 0218			
202c-3	001	Intermediate Studio: Ceramics [100a,b,c]					
		2:30-4:20	MWF	Wagner 192			
202d-3	001	Intermediate Studio: Painting [100a,b,c]					
		12:30-2:20	MWF	Wagner 198			
202e-3	001	Intermediate Studio: Drawing [100a,b,c]					
		11:30-2:20	T Th	SL 0210			
225a-3	001	History of World Art					
		10:30	MWF	PB 1312			

ACCOUNTING (ACCT)

332-4	Accounting Principles [Sophomore standing, consent]					
	LIFT for sections 201 and 202]					
001	8:30-10:20	T Th	PB 2403			
002	8:30-10:20	M W	PB 3305			
003	12:30-2:20	T Th	PB 3305			
e004	6:30-8:20	T Th	PB 2304			
e005	8:30-10:20	T Th	PB 2304			
201	10:30-12:20	M W	LH 102			
	9:30	F	LH 103			
202	2:30-4:20	M W	LH 102			
	1:30	F	LH 103			
334-4	Managerial Cost and Budgeting [333]					
001	10:30-12:20	T Th	PB 2405			
	12:30	F	PB 2304			
335-4	Principles of Income Taxation [333]					
001	10:30-12:20	M W	PB 2304			
	11:30	F	PB 2304			
002	12:30-2:20	T Th	PB 2304			
	11:30	F	PB 2304			
e003	8:30-10:20	M W	PB 2304			
	5:30	W	PB 2304			
341-4	Cost Accounting Principles [333]					
001	10:30-12:20	T Th	PB 3315			
	1:30	F	PB 2304			
351a-4	Accounting Theory and Problems I [333]					
001	10:30-12:20	T Th	PB 2304			
	10:30	F	PB 2304			

Art Education [Junior standing]		
300a-4	e001	6:30-9:20 T Th SL 0209
	002	12:30-2:20 MWF SL 0209
	003	8:30-10:20 MWF SL 0209
300b-4		Art Education [300a]
	001	2:30-4:20 MWF SL 0209
305a,b,c-4		Ceramics [202c]
	001	12:30-4:20 T Th Wagner 192
	002	8:30-11:20 M W Wagner 192
		8:30-10:20 F Wagner 192
310a,b,c-4		Painting [202d]
	001	1:30-4:20 M W Wagner 198
		1:30-3:20 F Wagner 198
	002	3:30-7:20 T Th Wagner 198
349a-3		Renaissance and Baroque Art
	001	11:30 MWF PB 0307
358a,b,c-4	e001	Prints [202b]
		4:30-7:20 M W SL 0218
		4:30-6:20 F SL 0218
	002	8:30-12:20 T Th SL 0218
365-4		Art Education in Secondary Schools [By permit only]
	001	10:30-12:20 MWF SL 0209
393a,b,c-4	e001	Sculpture [202a]
		6:30-10:20 T Th Wagner 193
	002	1:30-4:20 M W Wagner 193
		1:30-3:20 F Wagner 193
401-4		Research in Painting [310a,b,c]
	001	TBA Wagner 198
402-4 to 12		Research in Sculpture
	001	TBA Wagner 193
405-4		Studio in Sculpture [393a,b,c]
	001	TBA Wagner 193
410-4		Research in Prints [358a,b,c]
	001	9:30-12:20 T Th SL 0218
		9:30-11:20 S SL 0218
420-4		Research in Pottery [305a,b,c]
	001	TBA Wagner 192
424-3		Art in the Eighteenth Century
	001	10:30 MWF PB 0307

007	9:30	MWF	PB 0312	Peterson
301e-3	11:30-2:20	F	SL 2211	N. Parker
	Concepts at the Cellular Level [301a]			
	8:30	MWF	SL 1221	Baich
302a-5	Concepts at the Organism Level [201b]			
001	9:30	T Th	PB 0312	Axtell
002	9:30-11:20	MWF	SL 3210	Axtell
	9:30	T Th	PB 0312	Axtell
003	11:30-1:20	MWF	SL 3210	Broadbooks
004	9:30	T Th	PB 0312	Axtell
	1:30-3:20	MWF	SL 3210	Broadbooks
	9:30	T Th	PB 0312	Axtell
303a-3	3:30-5:20	MWF	SL 3210	
	Concepts at the Population Level [201b]			
	11:30	MWF	PB 1316	
304a-5	Microbiology [GSA 201a, Chem 111c]			
001	10:30	MWF	LB 0055	Davis
002	11:30-2:20	T Th	SL 3217	Davis
	10:30	MWF	LB 0055	Davis
	2:30-5:20	T Th	SL 3217	Davis
390a-0 to 3	Undergraduate Biology Seminar			
001	4:00-5:00	W	SL 3114	R. Parker
406a-3	Cell Organelles and Inclusions [301b]			
001	1:30	MWF	SL 1220	Levy
406b-1	Readings in Cell Organelles and Inclusions [406a, by permit only]			
001	TBA			Levy
406c-1	Laboratory in Cell Organelles and Inclusions [406a, by permit only]			
001	1:30-4:20	T	SL 3218	Levy
407-4	Electron Microscopy [By permit only]			
e001	5:30-9:20	M W	SL 3217	Wittig
455-4	Plant Anatomy [302c]			
001	1:30-5:20	T Th	SL 3210	Keating
485-4	Ichthyology [302a]			
e001	Saturday field trips TBA.			
	6:30-9:20	T Th	SL 3210	Thomerson
590-0.4	Graduate Biology Seminar			
001	4:00-5:00	W	SL 3114	R. Parker

441a-3	001	Studio in Drawing [12 hours of 300-level art]	595-2	Topics in Cellular and Molecular Biology [By permit only]
		3:30-5:20 MWF SL 0225		
460-2 to 4	001	Research in Art Education	001	TBA
466-2 to 4	001	Studio in Art Education	596-2	Topics in Organismic Biology [By permit only]
		TBA	001	TBA
483-3	001	Research in Art History [By permit only]	BUSINESS ADMINISTRATION (B A)	
		TBA	449-1 to 4	Independent Study in Business Administration [Consent of instructor and chairman]
501-4	001	Graduate Painting	001	TBA
502-4	001	Graduate Sculpture	540-4	Concepts of Managerial Performance [MBA students only]
		TBA	201	8:30-11:20 M LH 104
511-4	001	Graduate Prints		8:30-9:50 F LH 202
		9:30-12:20 T Th	543-4	The Administrator [540]
		9:30-11:20 S	e001	5:30-9:50 Th PB 3303
520-4	001	Graduate Ceramics	593-4	Seminar in the Operational Aspects of the Firm
		TBA	e201	5:30-9:50 M LH 104
566-4	001	Research in Art Education	BUSINESS COMMUNICATIONS (B C)	
		TBA	390-4	Business Communications [GSD 101b, concurrent enrollment in GBA 340]
571-4	001	Readings in Art History	001	8:30-10:20 M W PB 3302
		TBA	002	10:30-12:20 M W PB 3303
599-5 to 9	001	Thesis	BUSINESS EDUCATION (BS ED)	
		TBA	201a-3	Typewriting
BIOLOGY (BIOL)			001	TBA PB 3415
200-4	001	Introductory Biology [Chem 125a or concurrent enrollment]	201b-3	Typewriting [201a or equivalent]
		MWF	001	TBA PB 3415
		8:30-11:20 T	201c-3	Typewriting [201b or equivalent]
		MWF	001	TBA PB 3415
		9:30 T	221a-4	Shorthand and Transcription
		MWF		Student may attend any two sessions: mornings, evenings, or a combination per week.
		2:30-5:20 T	001	9:30 T Th PB 3417
		9:30 MWF		e6:30 T Th PB 3417
		10:30-1:20 W		TBA PB 3417
		9:30 MWF		
		1:30-4:20 W		
		9:30 MWF		
		11:30-2:20 Th		

502-4	Introduction to Research in Business Education [500, 503, 550]		Introduction to Research
e001	5:30-8:20	W	TBA
590-2 to 5	Readings in Business	PB 2406	Organic Reactions [341c]
001	TBA		5:05-6:20 M W LB 0056 Probst
			Biochemistry [305b or 341c]
			12:30 MWF SL 2224 Matta
			Physical Chemistry [135, 12 hours physics, one year calculus]

CHEMISTRY (CHEM)

105-5	Introduction to Chemistry		Physical Chemistry Laboratory [Concurrent enrollment in 341a and 345a]
e001	5:30-6:45	M W	5:30-6:45 T Th SL 1105 White
	7:00	W	7:00-9:50 Th SL 2217 Parrill
	7:00-9:50	M	1:30-4:20 M SL 2217 Parrill
e002	5:30-6:45	M W	1:30-4:20 W SL 2217 Parrill
	7:00	M	Chemical Literature
	7:00-9:50	W	4:30 T Th SL 2224 Bardolph
e003	5:30-6:45	M W	Chemical Problems
	3:30	W	TBA
	2:30-5:20	M	Advanced Topics in Inorganic Chemistry
e004	5:30-6:45	M W	7:00 T Th SL 2224
	3:30	M	Theory of Quantitative Analysis
	2:30-5:20	W	5:30-6:45 T Th SL 2224 Firsching
111c-5	Chemical Principles and Inorganic Chemistry [111b]		Advanced Topics in Biochemistry: Proteins [Biol 406 or 451]
e001	5:30-6:45	M W	7:00 M W SL 2224 Baich
	2:30-5:20	M W	Chemical Thermodynamics
e002	5:30-6:45	M W	10:30 MWF SL 1220 Rands
	7:00-9:50	M W	Graduate Seminar
125a-5	Chemical Structure and Dynamics [105 or satisfactory ACT score]		4:30 W SL 2224
	8:30	MWF	Advanced Chemical Problems
001	8:30	Th	TBA
	11:30-2:20	M	Research and Thesis
002	8:30	MWF	001 TBA
	8:30	Th	
	8:30-11:20	T	
003	8:30	MWF	
	8:30	Th	
	11:30-2:20	T	
004	8:30	MWF	
	8:30	T	
	8:30-11:20	Th	

COUNSELOR EDUCATION (C ED)

305-4	Educational Psychology [By permit only]	
	Section 005 four extra sessions TBA.	
	Sections 006 and 007 restricted to secondary education concentrations.	
001	8:30-10:20	M W PB 2405 Repovich

e001	5:30-8:20	T	Pract Ctr	Rochester
537-4	e001	5:30-8:20	Counseling Theory and Practice I	Chenault
e002	5:30-8:20	Th	PB 2415	Pancrazio
538-4	e001	5:30-8:20	Counseling Theory and Practice II	Soper
e002	5:30-8:20	T	Pract Ctr	Pancrazio
541-4	e001	5:30-8:20	Occupational Information and Guidance	Gray
542-4	e001	5:30-8:20	Basic Principles of Guidance	Pippert
e002	5:30-8:20	T	PB 2414	Soper
543-4	e001	5:30-8:20	Guidance Through Groups	Chenault
e002	5:30-8:20	M	Tract 44a	Mermis
e003	5:30-8:20	W	Tract 44a	Combs
545b-4	e001	5:30-8:20	Seminar in Guidance: Learning and Communication	Mermis
545f-4	001	9:00-12:00	Seminar in Guidance: Pupil Adjustment	Troyer
545j-4	e001	5:30-8:20	Seminar in Guidance: Organization and Administration	Davis
562a-4	e001	5:30-8:20	Child Development in Education	Repovich
562b-4	e001	5:30-8:20	Adolescent Development in Education	Repovich
575c-4	001	5:30-8:20	Practicum in Secondary Guidance	Moore, Gray, Soper
		TBA		

DEANS COLLEGE (DC)

Deans College courses will be arranged as needed for those students registered in the Deans College. Student should contact Dr. Howard Davis, Coordinator, for permission to enroll in these courses.

e001	6:30-9:20	Th	PB 3302	
	10:30	S	PB 3302	
EDUCATION ADMINISTRATION (ED AD)				
355-4	e001	5:30-8:20	Philosophy of Education [C Ed 305, consent of Education Division Student Services Office]	Mason
	e002	5:30-8:20	Four sessions TBA for sections 001-004.	Mason
e003	5:30-8:20	W	PB 1308	Hofmann
e004	5:30-8:20	Th	PB 0056	Andris
005	10:30-12:20	M W	PB 0403	Curry
006	12:30-2:20	M W	PB 0403	Popp
007	2:30-4:20	M W	PB 0403	Hofmann
008	10:30-12:20	T Th	PB 0403	
009	12:30-2:20	T Th	PB 0403	
434-4	e001	5:30-8:20	Administrator's Workshop	PB 2412
511-4	001	5:30-8:20	Internship Practicum [Consent of chairman]	TBA
517-4	e001	5:30-8:20	Research Seminar in Educational Administration	Helsel
518-4	e001	5:30-8:20	Cases and Simulation in Administrative Decision Making	Pierce
519-4	e001	5:30-8:20	Legal Basis of American Education	Ackerlund
520-4	e001	5:30-8:20	Illinois School Law	Wilkins
524-4	e001	5:30-8:20	Fundamentals of Educational Administration	Krchniak
525-4	e001	5:30-8:20	School Personnel Administration	Ackerlund
533-4	e001	5:30-8:20	School Facility Planning	Andree
535-4	e001	5:30-8:20	School Business Administration	Wilkins
551-4	e001	5:30-8:20	Community Junior College Curriculum	Boss
	e001	5:30-8:20	T	PB 3312

Ed Ad con't.

555-4	e001	Educational Supervision	5:30-8:20	M	PB 2412	Helsel
560-4	e001	Curriculum	5:30-8:20	M	PB 0412	Smyers
564-4	001	Secondary School Organization and Administration	9:00-11:40	S	PB 0307	Andree
565-4	e001	The Community Junior College	5:30-8:20	Th	PB 0410	Goodwin
575a-k-4	001	Individual Research [Consent of chairman]	TBA			
596-5 to 9	001	Field Study [Consent of chairman]	TBA			

EDUCATION ELEMENTARY (ED EL)

203-4	001	Understanding the Elementary School Child [GSB 201c]	12:30-2:20	T Th	PB 0406	Kuenzli
314-4	001	Elementary School Methods [Ed Ad 355, consent of Education Division Student Services Office]	8:30-10:20	M W	PB 0406	Ezer
	002	Additional two-hour lab in a public school TBA for section 004. Four extra sessions TBA for section 004.	12:30-2:20	M W	PB 0406	Ezer
	003		8:30-10:20	T Th	PB 0406	Kuenzli
	e004		5:30-8:20	W	PB 0406	Carpenter
316-4		Kindergarten-Primary Methods [Ed Ad 355, consent of Education Division Student Services Office]	8:30-10:20	T Th	PB 0406	Kuenzli
	e001	Additional two hours in a public school TBA. Four extra sessions TBA.	5:30-8:20	M	PB 0406	Kuenzli
350-4 to 12		Kindergarten-Primary Student Teaching [C Ed 305, Ed Ad 355, 316, approval of elementary education adviser]				
351-4 to 16	001	Elementary Student Teaching [314, C Ed 305, Ed Ad 355, other courses listed in each area of concentration, approval of elementary education adviser]				

Ed El con't.

543-4	e001	Social Studies in the Elementary School	5:30-8:20	T	PB 0314	Carpenter
553-4	e001	Practicum in Urban Education	TBA			Burnett
561-4	001	The Elementary School Curriculum	9:00-11:40	S	PB 3303	Comer
575a-k-4	001	Individual Research	TBA			

EDUCATIONAL FOUNDATIONS (ED FD)

500-4	e001	Research Methods in Education	5:30-8:20	M	PB 2413	Popp
	e002		5:30-8:20	T	PB 2413	Pierce
	e003		5:30-8:20	W	PB 2413	Popp
	e004		5:30-8:20	Th	PB 2413	Hildebrand
501-4	e001	Sociological Foundations of Education	5:30-8:20	W	SL 2231	Richards
554-4	e001	Philosophic Inquiry and Educational Issues	5:30-8:20	T	SL 2231	Villemain
	e002		5:30-8:20	Th	SL 2231	Curry
575a-e-2 to 4	001	Individual Research [Consent of chairman]	TBA			

EDUCATION READING (ED RD)

337-4		Reading in the Elementary Schools [314, C Ed 305, Ed Ad 355]				
	001	Four extra sessions TBA for section 004.	2:30-4:20	T Th	PB 0409	Doss
	002		12:30-2:20	M W	PB 0409	Starr
	003		8:30-10:20	M W	PB 0403	Starr
	e004		5:30-8:20	T	PB 0408	Starr

SECONDARY EDUCATION (ED S)

315-4		Secondary Methods [Ed Ad 355, consent of Education Division Student Services Office and instructor]				
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Quarter preceding student teaching. Laboratory assign-									
415-4	001	1:30-3:20	W	PB 3102	Darnell				ments TBA with instructor.
		1:30-3:20	F	PB 1414				8:30-10:20	M W PB 0409 Madson
	e002	5:30-8:20	W	PB 1414	Darnell			10:30-12:20	M W PB 0409 Wilson
		Teaching Mathematics in the Elementary School						10:30-12:20	T Th PB 0409 Keefe
433-4		Four extra sessions TBA for section 002.						12:30-2:20	T Th PB 0409 Schnabel
	001	10:30-12:20	T Th	PB 0406	Jordan			5:30-9:00	Th PB 0408 Wilson
	e002	5:30-8:20	T	PB 1414	Judkins			7:00-10:20	Th PB 0408 Wilson
		Problems in Elementary Education						Secondary Student Teaching [315, consent of Education Division Student Services Office]	
437-4		Additional hours TBA.						Specific sections cover each subject offered in secondary schools.	
	e001	5:30-8:20	T	PB 2406	Naylor			002 to 025 TBA	
		Problems in Reading						Backgrounds of Urban Education	
	001	2:30-4:20	M W	PB 0409	Bear			5:30-8:20	M PB 0307 Burnett
442-4	e001	5:30-8:20	W	PB 0409	Bliss			Teaching the Social Studies in Secondary Schools [By permit only]	
480-4	e001	5:30-8:20	M	PB 0307	Burnett			TBA	Keefe
505-4		Improvement of Reading Instruction						Improvement of Reading Instruction	
	e001	5:30-8:20	W	PB 0408	Turner			5:30-8:20	W PB 0408 Turner
	e002	5:30-8:20	T	PB 0403	Richardson			5:30-8:20	T PB 0403 Richardson
507-2 to 4		Readings in Reading [505, consent of chairman]						Readings in Reading [505, consent of chairman]	
	001	TBA						TBA	
513-4		Materials and Methods for the Assessment of the Disabled Reader [505]						Recent Issues and Trends in Secondary Education	
	e001	5:30-8:20	M	PB 0409	Richardson			5:30-8:20	T PB 3311 Schnabel
521a-4		Diagnosis and Correction of Reading Disabilities [513, consent of instructor]						Materials and Methods for the Assessment of the Disabled Reader [505]	
	eLect	Student enrolls for lecture and one clinic.						Community College Practicum	
	eClinic 1	7:00-8:45	W	PB 0403	Bear			5:30-8:20	M PB 0409 Richardson
	eClinic 2	4:30-5:45	W	PB 0405				TBA	
521b-4		5:45-7:00	W	PB 0405				Diagnosis and Correction of Reading Disabilities [513, consent of instructor]	
		[521a, consent of instructor]						Student enrolls for lecture and one clinic.	
	eLect	Student enrolls for lecture and one clinic.						7:00-8:45	W PB 0403 Bear
	eClinic 1	7:00-8:45	Th	PB 0403	Turner			4:30-5:45	W PB 0405 Bear
	eClinic 2	4:30-5:45	Th	PB 0405				5:45-7:00	W PB 0405 Bear
542-4		5:45-7:00	Th	PB 0405				Diagnosis and Correction of Reading Disabilities [521a, consent of instructor]	
		Language Arts in the Elementary School						Student enrolls for lecture and one clinic.	
	e001	5:30-8:20	T	PB 1313	Darnell				

Ed S con't.

eLect	7:00-8:45	Th	PB 0403	Turner
eClinic 1	4:30-5:45	Th	PB 0405	Turner
eClinic 2	5:45-7:00	Th	PB 0405	Turner
553-4	Practicum in Urban Education			Burnett
e001	TBA			
562-4	The High School Curriculum			
e001	5:30-8:20	W	PB 0413	Smyers
575a-j-4	Individual Research [Consent of chairman]			
001	TBA			
591-4	Workshop in Problems in Secondary Education			
e001	5:30-8:20	W	PB 0410	Madson
596-5 to 9	Field Study [Consent of chairman]			
001	TBA			
599-3 to 9	Thesis [Consent of chairman]			
001	TBA			

ENGINEERING (ENGR)

101a-3	Engineering Graphics			
001	8:30-10:20	MWF	SL 1216	Bishop
002	10:30-12:20	MWF	SL 1216	Bishop
e003	6:30-9:20	M W	SL 1216	Bishop
200a-3	Circuit Analysis [Math 150a or concurrent enrollment]			
001	1:30	MWF	PB 3302	Brown
e002	5:30-6:45	T Th	SL 0226	McKay
201a-1	Circuit Analysis Laboratory [Concurrent enrollment in 200a]			
001	11:30-2:20	T	SL 1212	Jones
002	2:30-5:20	T	SL 1212	Jones
e003	7:00-10:00	T	SL 1212	McKay
e004	7:00-10:00	Th	SL 1212	McKay
260a-4	Engineering Mechanics [Math 250]			
e001	7:30-9:20	M W	SL 0226	
300-3	Thermodynamics [Math 350a, Phys 211b]			
001	9:30	MWF	SL 1220	Jones
310b-3	Physical Electronics [310a]			

Eng con't.

302a-4	Survey of English Literature to 1660 [Completion of second-level GSC]			
001	8:30	MTThF	PB 1313	
002	2:30	MTThF	PB 1313	
e003	6:30-8:20	M W	PB 3102	
302b-4	Survey of English Literature: 1660-1830 [Completion of second-level GSC]			
001	10:30	MTThF	PB 1313	
302c-4	Survey of English Literature: 1830 to Present [Completion of second-level GSC]			
001	11:30	MTThF	PB 1313	
309a-4	Survey of American Literature to 1860 [Completion of second-level GSC]			
001	8:30	MTThF	PB 3102	
e002	6:30-8:20	T Th	PB 3102	
309b-4	Survey of American Literature: 1860 to Present [Completion of second-level GSC]			
001	12:30	MTThF	PB 1313	
e002	8:30-10:20	M W	PB 2411	
365-3	Shakespeare [Completion of second-level GSC]			
001	12:30	MWF	PB 0309	
391-3	Usage in Spoken and Written English [Completion of second-level GSC]			
001	9:30	MWF	PB 0307	
002	12:30-1:45	T Th	PB 0309	
003	2:30	MWF	PB 0307	
e004	8:30-9:45	T Th	PB 0309	
392-3	Professional Writing I [Completion of second-level GSC]			
001	9:00-11:45	S	PB 0413	
400-4	Introduction to English Linguistics [Completion of second-level GSC, junior standing]			
001	2:30	T Th	PB 3303	
	2:30	M F	LB 0057	
404a-4	Middle English Literature, Excluding Chaucer [Completion of second-level GSC, junior standing]			
e001	4:30-6:20	M W	PB 3422	Wood

001	10:30	MWF	SL 1221	Korn	pletion of second-level GSC, junior standing]
312a-1	Engineering Materials Laboratory [Concurrent enrollment in 311a]				10:30-12:20 T Th PB 3312 Revard
001	8:30-11:20	T	SL 0116a	Korn	English Poetry: Later Romantics [Completion of second-level GSC, junior standing]
002	9:30-12:20	S	SL 0116a	Korn	11:30 MTThF PB 0410 Bailey
320-3	Electronic Circuits [220]				English Poetry: Victorian [Completion of second-level GSC, junior standing]
001	11:30	MWF	SL 1220		4:30-6:20 T Th PB 3422 Going
321-1	Electronic Circuits Laboratory [Concurrent enrollment in 320]				Major American Writers: 1800-1865 [Completion of second-level GSC, junior standing]
001	8:30-11:20	T	SL 1212		1:30 MTThF PB 3102 Havens
330b-4	Engineering Electromagnetics [330a]				English Fiction: 20th Century [Completion of second-level GSC, junior standing]
001	12:30	MTWF	SL 1221		6:30-8:20 M W PB 2415
395-2 to 8	Readings in Engineering [Consent of chairman]				American Fiction: Novels to 1914 [Completion of second-level GSC, junior standing]
001	TBA				10:30 MTThF PB 3102 Austin
410a-4	Electron Devices [200, 310]				English Drama: Restoration and 18th Century [Completion of second-level GSC, junior standing]
001	1:30	MTThF	SL 2224	Hord	6:30-8:20 T Th PB 3409 Graham
e002	5:30-7:20	M W	SL 0226		Shakespeare [Completion of second-level GSC, junior standing]
411a-1	Electron Devices Laboratory [201, concurrent enrollment in 410a]				2:30 MTThF PB 3102 Murphy
001	10:30-1:20	Th	SL 1212	Hord	Problems in Teaching English [Completion of second-level GSC, junior standing]
002	2:30-5:20	Th	SL 1212		6:30-8:20 T Th PB 2411
003	9:30-12:20	S	SL 1212		Advanced Composition [Completion of second-level GSC, junior standing]
485-4	Communication Theory [Concurrent enrollment in 410a]				8:30-10:20 T Th PB 3311
001	2:30	MTWF	SL 1220	Hord	Literary Criticism: History of Criticism [Completion of second-level GSC, junior standing]
e002	7:30-9:20	M W	PB 3311		12:30 MTThF PB 0410 Cobb
523-3	Digital Simulation Techniques (Same as Math 523a)				Materials and Methods of Research in English [Graduate standing]
e001	4:30-5:45	T Th	CB 0186		11:30 MTThF SL 2231 Hoyenga
524a-3	Linear and Non-Linear Programming (Same as Math 524a)				6:30-8:20 M W PB 3409 Hoyenga
e001	6:30-7:45	T Th	SL 1224		Advanced English Syntax [Graduate standing]
					8:30-10:20 M W PB 3409 VanSyoc
ENGLISH (ENG)					
300-4	Principles of English Grammar [Completion of second-level GSC]				
001	9:30	MTThF	PB 1313		
002	1:30	MTThF	PB 1313		
e003	6:30-8:20	T Th	PB 0307		

Eng con't.

511-4	Studies in the Renaissance [Graduate standing]	
e001	8:30-10:20 T Th PB 3409 Revard	
534-4	Studies in Early 19th Century American Writers [Graduate standing]	
001	2:30 MTThF PB 1308 Austin	
579a-4	Studies in Modern Literature [Graduate standing]	
e001	4:30-6:20 T Th PB 3409 Zanger	
585-4	Teaching College Composition [Graduate standing]	
001	10:30-12:20 W PB 0412 Murphy	
	10:30-12:20 F PB 0409	

FINANCE (FIN)

320-4	Corporation Finance [Acct 332, 333, Econ 200, 201]	
001	2:30-4:20 M W PB 3305	
e002	6:30-8:20 M W PB 3313	
e003	6:30-8:20 T Th PB 3313	

FOREIGN LANGUAGES (F L)

399-2	Readings [By permit only, consent of chairman]	
001	11:30 W S PB 2409	
002	10:30 W S PB 2409	
003	10:30 W S PB 2410	
004	9:30 W S PB 2409	
005	9:30 W S PB 2410	
486-4	Materials and Methods for Teaching Foreign Languages [One quarter of any 300-level foreign language or consent of chairman]	
001	2:30-4:20 T Th PB 0412	

FRENCH (FREN)

123a-1	French Conversation [Concurrent enrollment in GSD 123a]	
e001	7:55-8:20 T Th PB 2409	
002	1:30 F PB 2409	
003	11:30 F PB 2409	

F L con't.

001	1:30 MTWThF PB 2410	
002	8:30 MTWThF PB 2412	
311a-3	German Culture and Civilization [250 or consent of chairman]	
001	12:30 MWF PB 1308	
311d-3	German Culture and Civilization [One quarter of any 300-level German course or equivalent]	
001	10:30 TWF PB 0410 Guenther	
316a-4	German Literature from Romanticism to Modern Times [250 or consent of chairman]	
001	12:30-2:20 W PB 2409	
	12:30-2:20 F PB 3303	
499-3	Readings in German [By permit only, consent of chairman]	
e001	4:30-5:45 T Th PB 2409	
500-2	Seminar in Contemporary Literature [Graduate standing, concurrent enrollment in 501]	
e001	5:30 M W PB 3311 Spahn	
501-2	Seminar on a Selected German Author: Grillparzer [Graduate standing, concurrent enrollment in 500]	
e001	6:30 M W PB 3311 Guenther	

ITALIAN (ITAL)

144a-1	Italian Conversation [Concurrent enrollment in GSD 144a]	
001	11:30 F PB 2411	
002	10:30 F PB 2411	
003	8:30 Th PB 2409	
250a-5	Intermediate Comprehensive Italian [GSD 144 or two years of high school Italian or consent of chairman]	
001	9:30 MTWThF PB 3102	
499-3	Readings in Italian [By permit only, consent of chairman]	
e001	4:30-5:45 M W PB 2411	

LATIN (LAT)

499a-4	Readings in Latin [One year college study of another	
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125c]	001	9:30	F	PB 2410	
130-6		Elementary Intensive French I [Consent of French adviser, concurrent enrollment in 131]			
		Sixth hour TBA.			
131-6	001	9:30	MTWThF	PB 1308	G. Marti
		Elementary Intensive French II [Consent of French adviser, concurrent enrollment in 130]			
		Sixth hour TBA.			
250a-5	001	12:30	MTWThF	PB 2410	G. Marti
		Intermediate Comprehensive French [GSD 123 or two years of high school French or consent of chairman]			
	001	12:30	MTWThF	PB 2411	
	002	10:30	MTWThF	PB 1308	
301a-4		French Literature from 18th Century to Contemporary Period [250 or consent of chairman]			
	001	2:30-4:20	M W	PB 3312	
311a-3		French Culture and Civilization [250 or consent of chairman]			
	001	11:30	M	PB 1412	
		11:30	W	PB 2410	
		11:30	F	PB 3316	
499-3		Readings in French [By permit only, consent of chairman]			
	001	3:30	MWF	PB 2406	
545-3		Applied Linguistics and Remedial Phonetics [Graduate standing]			
	e001	5:30-6:45	M W	PB 2302c	M. Delhomme
GERMAN (GER)					
126a-1		German Conversation [Concurrent enrollment in GSD 126a]			
	e001	6:55-7:20	T Th	PB 2410	
	002	2:30	F	PB 2409	
	003	11:30	F	PB 2410	
	004	9:30	F	PB 2411	
250a-5		Intermediate Comprehensive German [GSD 126 or two years of high school German or consent of chairman]			
RUSSIAN (RUSS)					
136a-1		Russian Conversation [Concurrent enrollment in GSD 136a]			
	001	10:30	F	PB 2409	Zaytzeff
	002	8:30	Th	PB 1308	Zaytzeff
250a-5		Intermediate Comprehensive Russian [GSD 136 or two years of high school Russian or consent of chairman]			
	e001	5:30-7:20	M W	PB 3312	Zaytzeff
		5:30	Th	PB 3313	
499-3		Readings in Russian [By permit only, consent of chairman]			
	e001	4:30-5:45	M W	PB 2415	Zaytzeff
SPANISH (SPAN)					
140a-1		Spanish Conversation [Concurrent enrollment in GSD 140a]			
	e001	7:55-8:20	M W	PB 2409	
	002	12:30	F	PB 2409	
	003	10:30	F	PB 2410	
	004	8:30	F	PB 2410	
250a-5		Intermediate Comprehensive Spanish [GSD 140 or two years of high school Spanish or consent of chairman]			
	001	1:30	MTWTh	PB 2411	
		1:30	F	PB 3316	
	002	11:30	MTWThF	PB 1308	
250c-5		Intermediate Comprehensive Spanish [250b or consent of chairman]			
	001	2:30	MTWTh	PB 2411	
		2:30	F	PB 3312	
301c-4		Spanish Literature from the Medieval Period Through Romanticism [250 or consent of chairman]			
	001	12:30-2:20	T Th	PB 2406	
311a-3		Spanish Culture and Civilization [250 or consent of chairman]			

001	9:30	M	PB 1412
	9:30	W	PB 1313
	9:30	F	PB 1302
375a-3	Spanish-American Literature [250 or consent of chairman]		
001	8:30	MWF	PB 1308
499-3	Readings in Spanish [By permit only, consent of chairman]		
e001	4:30-5:45	T Th	PB 2411
535-3	Mexican Essayists: 19th Century [Graduate standing]		
e001	5:30-6:45	T Th	PB 2302c Ostek

GENERAL BUSINESS ADMINISTRATION (GBA)

140-4	Introduction to Business		
001	10:30-12:20	W	PB 1402
	10:30-12:20	F	PB 2403
002	10:30-12:20	W	PB 1402
	10:30-12:20	F	PB 2405
003	10:30-12:20	W	PB 1402
	10:30-12:20	F	PB 3310
004	10:30-12:20	W	PB 1402
	10:30-12:20	F	PB 2412
005	10:30-12:20	W	PB 1402
	10:30-12:20	F	LB 0056
006	2:30-4:20	T Th	PB 1316
007	2:30-4:20	T	PB 1316
	2:30-4:20	F	PB 2410
008	2:30-4:20	T	PB 1316
	2:30-4:20	Th	PB 0408
e009	6:30-8:20	M	LB 0044
	6:30-8:20	W	PB 2306
e010	6:30-8:20	M	LB 0044
	6:30-8:20	Th	PB 3306
e011	6:30-8:20	M	LB 0044
	6:30-8:20	F	PB 0314
e012	6:30-8:20	M	LB 0044

467b-3	Regional Geography of Latin America		
e001	5:30-8:20	W	PB 1412 Thompson
470a-4	Urban Planning (History of Planning) [308]		
001	10:30	MTWTh	PB 1412 Roth
471a-4	Regional Planning [470a]		
e001	6:30-8:20	M W	Tract 14B Lossau
490a-2	Tutorial in Geography [Consent of instructor]		
001	9:30-11:20	S	PB 1412 Kazeck
501-4	Geographic Techniques II		
e001	5:30-8:20	M	PB 1412 Koepke
520-2	Seminar in Physical Geography		
e001	4:30	M W	SL 1215 Miller
521-3	Seminar in Economic Geography		
e001	6:30-9:20	T	PB 1412 Kircher
527-4	Seminar in Urban and Regional Planning		
001	3:30-5:20	T Th	PB 1412 Weismantel
530-2 to 4	Independent Studies in Geography [Consent of chairman]		
001	9:30-11:20	S	Tract 14B Lossau
570-4	Philosophy, Theory and Practice of Planning		
e001	6:30-8:20	T Th	Tract 14B Weismantel
571b-2	Environmental Aspects of Urban Planning		
e001	8:30-10:20	T	PB 0306 Stephens
575a-2	Urban Planning Analysis [470a, concurrent enrollment in 575b]		
001	8:30-10:20	S	Tract 14B Lossau
575b-2	Urban Planning Analysis [470a, concurrent enrollment in 575a]		
001	10:30-12:20	S	Tract 14B Lossau
576-2	Planning and Design Seminar [470a]		
e001	8:30-10:20	W	Tract 14B Roth
577-4	Seminar in Urban Problems [470a]		
	Field work TBA.		
e001	6:30-9:20	Th	PB 1412
599-2 to 9	Thesis		
001	TBA		

Govt con't.

495a-4 001 Constitutional Law [GSB 203a]
10:30 MTWTh PB 3306 Kerr
514-3 Studies in Asian History and Politics (Same as Hist
514) [Consent of chairman]
001 8:05-9:20 T Th PB 1312 Hsiao
521-1 to 12 Readings in Government [Consent of chairman]
001 TBA Masters
545-2 to 9 Seminar in American Politics [Consent of chairman]
001 TBA M TBA Wides
595-2 to 6 Individual Research [Consent of chairman]
001 TBA Masters

HEALTH EDUCATION (H ED)

302s-4 Driver Education and Training
001 11:30 MTWTh PB 2412 Kristoff
313s-4 Introduction to Safety Education
e001 6:30-9:50 T LB 0054 Kristoff
355-4 Introduction to Public Health
e001 5:30-8:50 T LB 0034 Grist
443s-4 Methods and Materials in Driver Education
001 10:30 MTWTh PB 2412 Kristoff

HISTORY (HIST)

100-3 Survey of Ancient History
001 2:30 MWF PB 3302 Astour
e002 6:30-7:45 M W PB 1307 Wurtz
102-4 Survey of Asian Civilization
001 1:30 MTWTh PB 1306 Chen
e002 6:30-8:20 T Th PB 1306 Chen
312-4 Eastern Europe: 1815-1918 [GSB 101b,c]
001 8:30 MTWTh PB 3310 Kimball
316a-3 History of Africa
001 11:30 MWF PB 1414 Grant
332a-3 Medieval History [Sophomore standing]
001 9:30 MWF PB 1414 Wurtz
352a-3 History of Latin America

Hist con't.

477a-4 American Economic History: Colonial to 1860 [GSB
300a,b]
001 12:30 MTWF PB 1414 Nordhauser
500-4 History Seminar [Graduate standing]
001 3:30 W PB 2414 Kimball
e002 5:00 T PB 3316 Erickson
510-2 to 5 Readings in History [Consent of chairman]
001 TBA
514-3 Studies in Asian History and Politics (Same as Govt
514) [Consent of chairman]
001 8:05-9:20 T Th PB 1312 Hsiao
545-3 Problems in Russian History [Graduate standing]
001 9:00-12:00 S PB 2415 Santoni
599-1 to 9 Thesis
001 TBA

HUMANITIES (HUM)

301-3 to 4 Humanities Honors [By permit only]
Section 001 - Anarchism: Old and New.
Section 002 - Religion as Radical Stimulus to Modern
Culture: The Reformation in Renaissance England.
001 9:30 MWF PB 2302c Runkle
002 10:30 MWF PB 2406 Violette

INSTRUCTIONAL MATERIALS (I M)

308-4 School Library Technical Processes
Lab hours TBA.
e001 5:30-8:20 W PB 1302
403-4 School Library Functions and Management
001 1:30-3:20 T Th PB 1302 Mundt
406-4 Library Materials for Adolescents
Lab hours TBA.
e001 5:30-8:20 Th PB 1302
417-4 Audio-Visual Methods in Education
Student enrolls in one section and arranges one hour
per week self-instruction.

001	2:30-3:45	1 Th	LB 2410	Chen	11:30	Th	LB 0044	Gilligan
372a-3	History of Russia	M W	PB 2410	Santoni	e002	5:30-8:20	T	LB 0044
408b-3	History of the Ancient Near East [100]	MWF	LB 0055	Astour	420-4	School Library Activities and Practice [403]		
410-2 to 5	Special Readings in History [Consent of chairman]				e001	Lab hours TBA.		
412a-3	TBA				e001	5:30-7:20	M	PB 1302
	Intellectual History of the United States [GSB 300a,b,c]				e001	Basic Audio-Visual Maintenance Techniques		Mundt
417a-4	9:30 MWF	LB 0055	Rosenthal		e001	5:30-7:20	Th	LB 0057
	Advanced English History: Constitutional History				e001	Photography for Teachers		Gilligan
420-4	1:30 MTWF	PB 3310	Haas		e001	5:30-7:20	W	LB 0051
422a-4	The French Revolution [GSB 101b]				445-4	Preparation of Teacher-Made Audio-Visual Materials [417]		Joyner
426-4	10:30 MTWTh	PB 1414	Gallaher			Lab hours TBA for all sections.		
430a-3	History of the Near East [GSB 101b,c]				001	1:30-4:20	M	LB 0042
435a-3	3:30 MTWTh	PB 1307	Grant		e002	5:30-8:20	T	LB 0042
	The Revolution and the Constitution [GSB 300a]				e003	5:30-8:20	Th	LB 0042
	1:30 MTWTh	PB 1307	McCurry		004	9:00-11:40	S	LB 0042
e001	Late Modern Europe: 1815-1880 [GSB 101c]				458-4	The Medium of the Motion Picture		
435c-3	8:30-9:45 M W	PB 1414	Jacobitti		001	Lab hours TBA.	S	LB 0056
	Advanced American History: 1865-1895 [GSB 300a,b,c]				470-4	Programmed Instruction		Thota
	9:00-12:00 S	PB 1307	Riddleberger		e001	Lab hours TBA.	M	LB 0057
e001	Advanced American History: 1919-1939 [GSB 300a,b,c]				514-4	Survey of Research and Development in Instructional Materials		Thota
452-3	6:30-7:45 T Th	PB 1307	Weiss		e001	5:30-8:20	W	LB 0042
	Historical Research and Thesis Writing [Junior standing]				530-4	History of Books and Libraries		Mundt
001	8:05-9:20 M W	SL 2231	Millett		e001	5:30-8:20	T	PB 1302
002	3:30-4:45 T Th	PB 2414	Riddleberger		548-4	Supervision and Administration of an Audio-Visual Program		
003	9:00-12:00 S	PB 2414	Gallaher		e001	5:30-8:20	W	LB 0054
e004	8:30-9:45 T Th	PB 2414	Rosenthal		549-4	Visual Learning		Mitchell
456a-4	Recent German History [GSB 101c]				e001	5:30-8:20	M	LB 0042
460a-3	12:30 MTWF	LB 0056	Weingartner		576-2 to 8	Problems in Instructional Materials [Consent of instructor]		
	Social and Intellectual History of the Middle Ages: 500-1000				001	TBA		
e001	5:05-6:20 M W	PB 1307	Steckling					
471a-3	History of Mexico: 19th Century							
001	10:30 MWF	PB 1307	Millett					

JOURNALISM (JRNL)

Mktg con't.

103-3	News			
001	9:30	MWF	CB 0179	
002	1:30	MWF	CB 0179	
201a-3	News Writing and Editing I [103]			
001	11:30-1:00	M W	CB 0179	Thiel
210a-3	Introduction to Photojournalism [103, consent of chairman]			
001	2:30-5:20	T	CB 1014	
303-3	News Writing and Editing III [201a,b]			
001	11:30-1:00	T Th	CB 0179	Thiel
320-4	Depth Reporting and Writing [201a or TV-R 302]			
001	9:30-11:20	T Th	CB 0179	Ward
352a-4	Magazine Article Writing and Production I and II			
001	1:30-3:20	T Th	CB 0179	Hasse
362-1	Independent Studies in Journalism [By permit only]			
001	TBA			
370-4	Principles of Advertising			
001	8:30	MTWTh	CB 0179	Hasse
410-4	Internship in Journalism [By permit only]			
001	TBA			Hasse
426-4	High School Publications			
e001	5:00-9:00	T	CB 0179	Ward
480-3	Special Problems in Journalism			
001	3:30-5:00	T Th	CB 0179	Winter

MANAGEMENT SCIENCE (M S)

311-4	Statistical Analysis for Business Decisions [380, GSD 114d]			
e001	6:30-8:20	M W	PB 3303	
e002	8:30-10:20	T Th	PB 2403	
313-4	Introduction to Quantitative Methods [311]			
001	8:30-10:20	M W	PB 3313	
002	10:30-12:20	M W	PB 3313	
315-4	Probabilistic Decision Methodology [313]			
001	12:30-2:20	T Th	PB 3303	
380-4	Management Systems I [GBA 140, consent LIFT for sections 201 and 202]			

470-4	Marketing Research [371, MS 311]			
001	8:30-10:20	M W	PB 3315	
e002	6:30-8:20	T Th	PB 3316	
471-4	Advertisement Policy and Management [470]			
001	10:30-12:20	M W	PB 3316	
e002	8:30-10:20	T Th	PB 3313	
473-4	Advanced Marketing Management [Senior standing]			
001	12:30-2:20	M W	PB 3316	
479-4	Independent Study in Marketing [Consent of instructor and chairman]			
001	TBA			
570-4	Marketing Concepts [MBA standing]			
201	1:30-4:20	T	LH 104	
	3:00-4:20	Th	LH 202	

MATHEMATICS (MATH)

101-4	Fundamental Mathematics			
001	8:30-10:20	W S	PB 0304	
002	10:30-12:20	W S	PB 0304	
003	12:30	MTWThF	PB 0304	
004	2:30	MTWThF	PB 0304	
005	3:30	MTWThF	PB 0304	
006	1:30	MTWThF	PB 0304	
007	8:30	MTThF	PB 0304	
008	10:30	MTThF	PB 0304	
e009	6:30-8:20	T Th	PB 0304	

Holden

201	10:30	MTWThF	SCI 201	
e202	6:30-8:20	M W	SCI 201	
150a-4	Elementary Calculus and Analytic Geometry [GSD 114c]			
001	10:30	MTWThF	SL 1224	Stephen
002	10:30	MTWThF	SL 1225	Hattermer
003	11:30	MWThF	SL 1224	Lindstrum
004	12:30	MTWF	SL 1224	Verderber
005	1:30	MTWF	SL 1224	Kotiah
006	11:30	MTThF	SL 2224	M. Livingston

Math con't.

420a-3	Fundamental Concepts of Algebra [321]			
001	2:30 MWF	SL 1225	M. Livingston	
421-3	Linear Algebra [321]			
001	11:30 MWF	LB 0055	Lazerson	
426a-3	Mathematical Logic [420a or consent of instructor]			
e001	5:00-6:15 M W	SL 1220	Isaacson	
433-3	Theory of Point Sets [350, 6 hours of 300-level math or higher]			
e001	8:00-9:15 T Th	SL 1224	Kurth	
446b-3	Structure of Mathematics [Experience in teaching, consent of instructor]			
e001	5:30-8:45 Th	SL 1221	Holden	
452a-3	Advanced Calculus [350]			
001	1:30 MWF	SL 1221	Stephen	
455a-3	Advanced Mathematics for the Physical Sciences [305, 350]			
e001	5:00-6:15 T Th	SL 1224	A. Livingston	
458a-3	Finite Mathematics [250]			
e001	5:30-8:20 Th	SL 1220	Phillips	
472a-3	Operations Research			
e001	4:30-5:45 M W	SL 1225	Wallace	
473a-3	Computer Science [225, 350a]			
e001	8:30-9:45 T Th	CB 0186		
473c-3	Computer Science [473b]			
e001	8:00-9:15 M W	PB 1316		
475a-3	Numerical Analysis [225, 305]			
e001	6:30-7:45 M W	PB 1316	Isaacson	
483a-3	Introduction to Mathematical Statistics [350a]			
001	12:30 MWF	SL 1225	Kotiah	
e002	6:30-7:45 T Th	SL 1225	Clemans	
501a-3	Real Variables [452c]			
e001	3:30-4:45 T Th	SL 1220	Ho	
520a-3	Modern Algebra [420]			
e001	4:30-5:45 M W	SL 1224	Lindstrum	
523a-3	Simulation Theory, Applications and Languages [483a,b]			
e001	4:30-5:45 T Th	CB 0186	Rutledge	

Mus con't.

010b-1	Class Applied Music: Woodwinds			
	Section 001—clarinet; section 002—mixed.			
001	8:00-9:20 T Th	CB 1029	Mellot	
002	8:00-9:20 M W	CB 1029	Oberlag	
010c-1	Class Applied Music: Brass			
001	9:30 MWF	CB 1029	Fjerstad	
010e-1	Class Applied Music: Piano			
	Sections 001 and 004—non-music students; sections 002 and 005—first year music students; section 003—second year music students.			
001	3:30-5:00 T Th	PB 3406	Ferguson	
002	3:30 MWF	PB 3406	Ferguson	
003	2:30 MWF	PB 3406	Ferguson	
004	1:00-2:20 T Th	PB 3406	Ferguson	
005	11:30-1:00 T Th	PB 3406	Ferguson	
010f-1	Class Applied Music: Voice			
001	10:30 MWF	PB 3406	Turner	
002	10:30 MWF	CB 1029	Vang	
105a-4	Theory of Music			
001	8:30 MTWThF	PB 3406		
002	8:30 MTWThF	CB 0158		
003	8:30 MTWThF	CB 0194		
106a-5	Techniques and Literature of Music Practice			
001	8:30 MTWThF	PB 3404	Warren	
140a-u-2 or 4	Private Applied Music [By permit only]			
001	TBA			
a.	Violin	h. Bassoon	o. Tuba	
b.	Viola	i. Saxophone	p. Baritone	
c.	Cello	j. Percussion	q. Voice	
d.	String Bass	k. Piano	r. Organ	
e.	Flute	l. French horn	s. Harpsichord	
f.	Oboe	m. Trumpet	t. Harp	
g.	Clarinet	n. Trombone	u. Classical guitar	
165a-1	Piano Practicum			
001	TBA			
200-3	Fundamentals of Music			
001	11:30 MWF	PB 3406		

200a-3		Techniques and Literature of Music Practice	
001	3:30-5:00	Th	SL 1221
550d-1 to 10 Seminar in Probability and Statistics [Consent of instructor]			
001	TBA		
555a-3	Complex Variables [452c]		
e001	6:30-7:45	M W	SL 1224 Wilson
575a-3	Advanced Topics in Numerical Analysis [421, 452 or 455]		
e001	6:30-7:45	M W	SL 1220 Garder
580a-3	Mathematical Methods of Statistics [452, 455]		
e001	8:00-9:15	M W	SL 1224 Pendergrass
595-1 to 10	Special Project [Consent of chairman]		
001	TBA		
599-1 to 9	Thesis [Consent of chairman]		
001	TBA		

MUSIC (MUS)

001a-1	Symphonic Band		
001	12:30-2:20	MWF	CB 1029 Fjerstad
001b-1	University Band		
001	12:30-2:20	T Th	CB 1029 Oberlag
001c-1	Stage Band		
e001	4:30-6:00	M W	CB 1029
002b-1	University Chorus		
001	10:30	T Th	CB 1029
002e-1	Community Choral Society		
e001	7:30-9:30	T	PB 1402 Vang
002g-1	Concert Chorale [By audition, permit only]		
001	11:30	MTWThF	CB 1029 Vang
003-1	University Symphony Orchestra		
001	2:30-4:20	T	CB 1029 Schieber
	e8:00-10:00	T	CB 1029
	2:30	Th	CB 1029
010a-1	Class Applied Music: Strings		
001	2:30	MWF	CB 1029

001	9:30	MTWThF	PB 3404 Warren
240a-u-2 or 4 Private Applied Music [By permit only]			
001	TBA		See 140a-u.
300-3	Music Education—Elementary		
001	11:30	MWF	PB 3404 Tulloss
301a-3	Music Education [Music concentrations only]		
001	10:30	MWF	PB 3404 Tulloss
312a-3	Composition		
001	2:30	MWF	PB 3404
318a-3	Conducting		
001	2:30	MWF	CB 0194 Tarwater
326a-3	Analysis		
	One hour TBA.		
001	11:30	T Th	PB 3404 Warren
340a-u-2 or 4 Private Applied Music [By permit only]			
	See 140a-u.		
001	TBA		
355a-1	Chamber Music Ensemble (Brass) [By audition]		
001	TBA		Fjerstad
355b-1	Chamber Music Ensemble (Woodwinds) [By audition]		
001	11:30	T Th	TBA Mellot
002	11:30	T Th	CB 0158 Oberlag
355c-1	Chamber Music Ensemble (Strings) [By audition]		
001	11:30	T Th	TBA Pival
357a-3	Music History and Literature		
001	3:30	MWF	PB 3404 Joseph
365-1	Piano Ensemble		
001	TBA		
413a-3	Piano Literature		
001	2:30	MWF	CB 0158
440a-u-2 or 4 Private Applied Music [By permit only]			
	See 140a-u.		
001	TBA		
461a-3	Teaching Techniques and Materials for the Beginning and Intermediate Levels		
001	3:30	MWF	CB 0158

Mus con't.

465-3	Development and Teaching of Strings	
e001	5:00-7:45 T CB 1029 Kendall	
481-3	Readings in Music Theory [By permit only]	
	TBA	
482-3	Readings in Music History and Literature [By permit only]	
	TBA	
001	Readings in Music Education [By permit only]	
483-3	TBA	
001	Independent Study [By permit only]	
499-3	TBA	
001	Introduction to Graduate Study in Music [By permit only]	
501-3	only]	
e001	5:30-8:20 M PB 3404	
519a-3	Vocal Pedagogy and Literature [By permit only]	
e001	6:30-9:20 M Tract 16 Moore	
540a-u-2 or 4	Private Applied Music [By permit only]	
	See 140a-u.	

001	TBA	
553a-3	Seminar in Materials and Techniques [By permit only]	
e001	5:30-8:20 W CB 0194	
560-3	Seminar in Music Education [By permit only]	
e001	5:30-8:20 Th CB 0194 Tulloss	
566-1 or 2	Instrumental Ensemble	
	Section 001—Symphonic Band; section 002—Chamber Ensemble; section 003—Orchestra.	
001	12:30-2:20 MWF CB 1029 Fjerstad	
002	11:30 T Th TBA	
e003	8:00-10:00 T CB 1029 Schieber, Kendall	
567-1 or 2	Vocal Ensemble [Concert Chorale]	
	Section 002—Community Choral Society.	
001	11:30 T Th CB 1029 Vang	
e002	7:30-9:30 T PB 1402 Vang	
599-3 to 9	Thesis	
001	TRA	

Phil con't.

490-4	Special Problems [By permit only]	
	Section 001—Philosophy of Language; section 002—Kant.	
001	2:30-4:20 T Th PB 3311 Seligman	
e002	4:30-6:20 T Th PB 3102 F. Marti	
495-2 to 12	Independent Readings [By permit only]	
001	TBA	
502a-2	Methods of Teaching Philosophy [Graduate standing]	
001	TBA	
502b-2	Methods of Teaching Philosophy [Graduate standing]	
001	TBA	
531-4	Plato [Graduate standing]	
001	2:30-4:20 M W PB 0408 Paxson	
546-4	Empiricism: Hume [Graduate standing]	
e001	4:30-6:20 M W PB 3102 Glossop	

PHYSICAL EDUCATION (P E)

025-0	Orientation	
001	10:30 F PB 1414 Showers	
303-5	Kinesiology [Biol 310a,b]	
001	8:30 MTWThF LB 0054 Archangel	
323a-1	Officiating Techniques	
001	TBA	
341-3	Principles of Physical Education	
001	9:30 MWF PB 2412 Showers	
348-3	Camp and Community Leadership	
001	1:30 MWF LB 0056 Bobka	
349-2	Camping Education	
001	9:30 T Th PB 2412 Lee	
350-4	Methods and Materials for Teaching Physical Education Activities in the Elementary School	
	Ten hours TBA for all sections.	
e001	5:30-8:20 W LB 0033 J. Martin	
002	1:30-3:20 T Th LB 0033 Piper	
003	8:30-11:50 S LB 0033 Piper	

280a-4	Nursing and Community Health	001	8:00-10:20	T W	Clinic	PB 0314	370-4	001	1:30	MTTh	PB 2412	Lee
			1:30	MWF				001	11:30	M W	LB 0054	Showers
301-8	Maternal and Newborn Nursing	001	8:00-12:00	MTWTh	Clinic		382-4		11:30-1:20	F	LB 0054	
			1:30-3:20	M W	PB 1414				Methods and Materials in Secondary Schools [Consent of instructor]			
350a-4	Medical-Surgical Nursing	001	8:00-2:30	W F	Clinic			001	10:30	M W	LB 0054	Lee
			9:30-11:20	M	PB 1410		389-4		10:30-12:20	F	LB 0033	
360b-4	Psychiatric Nursing	001	8:00-2:30	T	Clinic		475-4	001	TBA			Lee
			12:30-2:20	M	PB 1412			001	Individual Research			
370a-4	Community Health Nursing	001	8:00-2:30	W F	Clinic		501-4	e001	TBA			Herrold
			9:30-11:20	Th	PB 0314				Curriculum in Physical Education			
							502-4	e001	5:30-8:50	M	LB 0033	Archangel
									Foundations of Motor Skills			
							504-4	e001	6:30-9:50	Th	LB 0055	Showers
									Problems in Physical Education			
							525-4	e001	5:30-8:50	M	LB 0034	Herrold
								001	Readings in Physical Education			
									TBA			Herrold

PHILOSOPHY (PHIL)

200-4	Introduction to Philosophy	001	8:30	MTWTh	PB 0408	Paxson	206a-5		College Physics			
		002	11:30	MTWTh	PB 0408	Pletcher		001	11:30	MTWThF	SL 0226	
300-4	Introduction to Metaphysics [Sophomore standing]	001	9:30-11:20	T Th	PB 0307	Emblom			12:30-2:20	F	SL 1218	
302-4	World Religions [Sophomore standing]	001	2:30	MTThF	PB 0413	Murdoch		002	11:30	MTWThF	SL 0226	
		e002	6:30-8:20	T Th	PB 0413	Murdoch			2:30-4:20	F	SL 1218	
385a-4	History of Western Philosophy: Ancient [Sophomore standing]	001	12:30	MTThF	PB 0412	Lawrence	211a-4		University Physics [Concurrent enrollment in Math 150a]			
385c-4	History of Western Philosophy: 17th and 18th Centuries [Sophomore standing]	001	9:30-11:20	W	PB 0413	Keene	Lect A		12:30	MWF	SL 1105	
			9:30-11:20	F	PB 0408		Lect B		8:05-9:20	T Th	PB 0312	
430-4	Symbolic Logic [Junior standing]	001	1:30	MTWTh	PB 0408	Solon		001	12:30	T Th	SL 2224	
484a-4	History of Western Political Theories (Same as Govt 484a) [Junior standing]	001	9:30	MTWTh	PB 0408	Jacobitti		002	11:30	T Th	SL 1220	
								003	12:30	T Th	SL 1225	
								004	11:30	T Th	CB 0194	
								005	12:30	T	SL 0226	
									12:30	Th	SL 1224	
								006	12:30	T Th	SL 1220	

PHYSICS (PHYS)

206a-5	College Physics	001	11:30	MTWThF	SL 0226	
			12:30-2:20	F	SL 1218	
		002	11:30	MTWThF	SL 0226	
			2:30-4:20	F	SL 1218	
211a-4	University Physics [Concurrent enrollment in Math 150a]					
Lect A			12:30	MWF	SL 1105	
Lect B			8:05-9:20	T Th	PB 0312	
		001	12:30	T Th	SL 2224	
		002	11:30	T Th	SL 1220	
		003	12:30	T Th	SL 1225	
		004	11:30	T Th	CB 0194	
		005	12:30	T	SL 0226	
			12:30	Th	SL 1224	
		006	12:30	T Th	SL 1220	

Phys con't.

Psych con't.

007	8:30-10:20	S	SL 1221	303-4	Adolescent Psychology [GSB 201c]
008	11:30	T	PB 0303	e001	6:30-8:20 T Th PB 3305
	11:30	Th	PB 3305	002	12:30-2:20 M W PB 2306
e009	7:30	W F	PB 3310	003	8:30-10:20 T Th LB 0034
212a-1	University Physics Laboratory [Concurrent enrollment in 211a]			304-4	Psychology of Maturity and Old Age [GSB 201c]
001	2:30-5:20	M	SL 1218	001	12:30-2:20 T Th PB 2403
002	2:30-5:20	T	SL 1218	305-4	Introduction to Personality Dynamics [GSB 201c]
003	2:30-5:20	W	SL 1218	e001	5:30-7:20 T Th PB 2306
004	2:30-5:20	Th	SL 1218	002	12:30-2:20 T Th PB 2306
005	8:30-11:20	T	SL 1218	003	10:30-12:20 T Th PB 2306
e006	7:30-10:20	W	SL 1218	307-4	Social Psychology [GSB 201c]
007	11:30-2:20	W	SL 1218	e001	6:30-8:20 M W PB 2403
008	8:30-11:20	Th	SL 1218	002	10:30-12:20 T Th PB 2403
e009	7:30-10:20	F	SL 1218	311-4	Experimental Psychology: Learning [211a,b]
010	8:30-11:20	M	SL 1218	001	1:30-3:20 T Th SL 2212
011	8:30-11:20	W	SL 1218	002	3:30-5:20 M W SL 2212
012	8:30-11:20	S	SL 1218	312-4	Experimental Psychology: Perception [311]
300-4	Introduction to Modern Physics [206 or 211, Math 150b]			001	8:30-10:20 T Th SL 2212
001	9:30	MWF	LB 0034	314-4	Experimental Psychology: Physiological [311]
	9:30	T Th	PB 1414	001	8:30-10:20 M W SL 2212
002	9:30	MWF	LB 0034	320-4	Industrial Psychology [GSB 201c]
	8:30	T Th	SL 1220	001	3:30-5:20 M W PB 0307
003	9:30	MWF	LB 0034	407-4	Theories of Learning [406 or consent of instructor]
	9:30	T Th	SL 1220	001	10:30-12:20 W PB 1313
300b-1	University Physics Lab IV [212, concurrent enrollment in 300a]			409-4	History and Systems [Consent of instructor]
001	2:30-5:20	T	SL 0212a	001	3:30-5:20 M W PB 0303
002	2:30-5:20	W	SL 0212a	420-4	Experimental Analysis of Behavior [GSB 201c]
003	8:30-11:20	T	SL 0212a	001	Meets first four Fridays only.
004	2:30-5:20	Th	SL 0212a	421-4	5:30-8:20 M F SL 2212
301a-4	Introduction to Classical Mechanics [211a, Math 252b]			001	Psychological Tests and Measurements [211b, consent of instructor]
001	8:30	MTThF	SL 0226	001	10:30-12:20 W PB 2411
e002	7:30-9:20	T Th	PB 3310	431-4	10:30-12:20 F PB 3302
304-4	Thermodynamics and Kinetic Theory [211b]			e001	Psychopathology [305 or consent of instructor]
				001	Section 001 meets first four Fridays only.
					5:30-8:20 T F PB 1308

440-4	Theories of Personality [305 or consent of instructor]	
	Meets first four Fridays only.	
	5:30-8:20 M F PB 1414	e001
451-4	Advanced Child Psychology [301]	
	Meets second four Fridays only.	
	5:30-8:20 W F PB 1313	e001
461-4	Advanced Social Psychology [307]	
	Meets second four Fridays only.	
	5:30-8:20 W F PB 3404	e001
465-4	Group Dynamics and Individual Behavior [307 or consent of instructor]	
	8:30-12:00 S PB 0309	001
	3:30-5:20 T Th PB 0303	002
474-4	Psychology of Employee Relations [320 or consent of instructor]	
	Meets first four Fridays only.	
	5:30-8:20 M PB 0410	e001
	5:30-8:20 F PB 2406	
490-1 to 4	Independent Projects [Consent of chairman]	
	TBA	001
495-4	Seminar Selected Topics: Psychological Hypnosis [Consent of instructor]	
	Meets second four Fridays only.	
	5:30-8:20 T F PB 0410	e001
501a-4	Proseminar in General Psychology [Consent of instructor or chairman]	
	2:30-4:20 T F PB 0408	001
520-4	Research Design and Inference I [211b]	
	5:30-9:20 Th PB 1313	e001
530-4	Personality Theory and Dynamics [440]	
	5:30-8:20 M PB 1313	e001
541a-4	Psychodiagnostics I [211b, 421, consent of instructor]	
	5:30-8:20 W GOB 2225	e001
541b-4	Psychodiagnostics I [211b, 421, consent of instructor]	
	5:30-8:20 T GOB 2225	e001
590-4	Readings in Psychology [Consent of instructor and chairman]	
	TBA	001

419-4	Introduction to Theoretical Physics [Math 305]	
	6:45-8:25 T Th SL 0226	e001
510a-3	Classical Mechanics	
	8:30-9:45 T Th SL 0226	e001
531a-3	Quantum Mechanics	
	2:30 MWF SL 1221	001
580-3	Selected Topics in Physics	
	1:30-3:00 T Th SL 1221	001
590-1 to 9	Research in Physics [Consent of chairman]	
	TBA	001
PRODUCTION (PROD)		
460-4	Production Management [GBA 340]	
	10:30-12:20 T Th PB 3316	001
	8:30-10:20 T Th PB 3316	e002
PSYCHOLOGY (PSYC)		
211a-4	Principles and Methods of Psychology [GSB 201c]	
	6:30-8:20 T Th SL 2212	e001
	9:30 T Th PB 2306	002
	10:30-12:20 F SL 2212	
	9:30 T Th PB 2306	003
	10:30-12:20 W SL 2212	
	9:30 T Th PB 2306	004
	10:30-12:20 T SL 2212	
	9:30 T Th PB 2306	005
	10:30-12:20 M SL 2212	
211b-4	Principles and Methods of Psychology [GSB 201c]	
	3:30-5:20 T Th PB 2412	001
	8:30-10:20 W PB 1311	002
	8:30-10:20 F PB 0406	
301-4	Child Psychology [GSB 201c]	
	6:30-8:20 M W PB 3305	e001
	2:30-4:20 T Th PB 3305	002
	12:30-2:20 M W PB 3305	003
	8:30-10:20 T Th PB 3305	004

591-4	001	Research in Psychology [Consent of chairman]	410f-4	Problems and Characteristics of the Socially Mal-adjusted Child [414]
593h-2 to 4	001	TBA	e001	Additional hours TBA.
		Practicum in Psychology [Consent of instructor and chairman]	410g-4.	5:30-8:20 Th PB 0314 Troutt
593s-2 to 4	001	TBA		Problems and Characteristics of the Learning Child [414]
		Practicum in Psychology [Consent of instructor and chairman]		Additional hours TBA.
001		TBA	e001	5:30-8:20 T PB 2412 Long
599-2 to 4	001	Thesis [Consent of chairman]	002	10:30-12:20 M W PB 0406 Long
001		TBA	411-4	Assessment and Remediation of Learning Disabilities [410a or g, 414]

SCIENCE AND TECHNOLOGY (SC & T)

415-1	001	Instructional Innovation for the Physical Sciences	413a-4	Directed Observation of the Emotionally Disturbed [410a or concurrent enrollment]
		9:00-12:00 S SL 0226	001	TBA

SOCIOLOGY (SOC)

301-4	001	Social Theory and Methods of Inquiry	414-4	The Exceptional Child
		11:30-1:20 T Th PB 1307 Reynolds		Additional hours TBA for section 002.
312-4	001	Research Methodology and Data Analysis	001	2:30 MTWTh PB 0406 Troutt
		9:30-11:20 T Th PB 1307 Crowther	e002	5:30-8:20 M PB 3302 Troutt
320-4	001	Racial and Ethnic Relations	420a-4	Methods and Materials in the Education of the Emotionally Disturbed [410a]
		11:30 MTWF PB 3305 Teer	001	8:30-10:20 T Th PB 2406
321-4	001	Individual and Society	420b-4	Methods and Materials in the Education of the Educable Mentally Handicapped [410b]
		3:30-5:20 T Th PB 2306 Henslin	001	12:30-2:20 W PB 2412 Tucker
335-4	001	Urban Sociology		12:30-2:20 F PB 3306
372-4	e001	Criminology	428-4	Speech Correction for Classroom Teachers (Same as S P & A 428)
		6:30-8:20 T Th PB 1312		Additional hours TBA.
396-4	001	Readings		9:30-12:20 S CB 2012 Taylor
		TBA	430-4	Behavior Modification in Special Education [Psyc 420]
410a-4	001	Quantitative Methods in Sociology (Same as Govt 410a)	e001	Additional hours TBA.
		1:30 MTWTh PB 3306 M. Lee		5:30-8:20 W PB 2414
424-4	e001	Collective Behavior		
		5:30-7:20 T Th PB 3310		

451-4	001	Social Thought: The Sociological Movement 12:30-2:20 M W	Reynolds	e001	5:30-8:20 I	PB 2414	Iucker
501-4	001	Survey of Sociological Theory 10:30-12:20 W	Blain	496-1 to 8	Readings and Independent Study in Special Education [Consent of instructor]		
519-4	001	Methodological Foundations of the Social Sciences 12:30-2:20 W	Reynolds	501-4	TBA		
542-4	001	Seminar on the Family 3:30-5:20 W F	D. Taylor	513-4	Special Research Problem [Consent of instructor]		
596-4	001	Readings in Sociology TBA		577-4 to 12	Organization, Administration, and Supervision of Special Classes [414]		
599-4	001	Thesis TBA		e001	5:30-8:20 M	SL 2231	Whiteside

SPEECH (SPCH)

104-4	001	Training the Speaking Voice 8:30 MWThF	CB 2012	Maag
205-4	001	Principles of Argumentation and Debate 10:30-12:20 T Th	PB 2406	Salden
224-4	001	Communicative Reading 11:30 MWThF	PB 1302	
301-4	001	Persuasion 9:30-11:20 T Th	CB 0186	Hawkins
302-4	001	Speech Practices 3:30-5:20 T Th	PB 3303	Hawkins
429-4		Experimental Studies in Oral Communication Additional hours TBA.		
441-4	e001	5:30-8:20 Th	CB 2012	St. Onge
530-1 to 4	e001	Teaching Speech in Elementary Schools Additional hours TBA.		
532a-2	e001	5:30-8:20 M	CB 0194	White
	e001	Research Problems Additional hours TBA.		
	e001	5:30-8:20 W	CB 2012	Lieblich
	e001	Areas and Techniques of Research in Speech 5:30-7:20 T	CB 0194	Stoppe

SOCIAL WELFARE (SOC W)

375-4	001	Social Welfare as a Social Institution 2:30 TWThF	PB 1307	
383-4	001	Introduction to Interviewing 9:30 MTWF	PB 3310	Teer
389-4	001	Readings in Social Welfare TBA		

SPECIAL EDUCATION (SP ED)

353-8	001	Special Education Student Teaching TBA	Johnson	
410a-4	001	Problems and Characteristics of the Emotionally Disturbed Child [414] 3:30 MTWTh	PB 0413	
410b-4	001	Problems and Characteristics of the Mentally Retarded [414] 8:30 MTWTh	PB 2411	Johnson
410c-4	001	Problems and Characteristics of the Gifted Child [414] Additional hours TBA.		
e001		5:30-8:20 Th	PB 1414	Shaffer

SPEECH PATHOLOGY AND AUDIOLOGY (S P & A)

Thea con't.

200-4	001	Phonetics 10:30	MWThF	CB 2012	Shoquist
212-4	001	Articulatory Problems and Delayed Speech 9:30	MWThF	CB 2012	Lieblich
405a-4		Practicum in Speech and Hearing Therapy Additional hours TBA.			
405b-4	001	8:30	W	CB 2007	Haines
405c-4	001	Practicum in Speech and Hearing Therapy Additional hours TBA.			
414-4	001	8:30	W	CB 2007	Haines
415-4	001	Practicum in Speech and Hearing Therapy Additional hours TBA.			
416-4	001	8:30	W	CB 2007	Haines
420-4	001	Anatomy and Physiology of Speech and Hearing Mechanism			
	001	12:30	MWThF	CB 2012	Carey
	001	Aphasia 11:30	MWThF	CB 2012	Maag
	001	Introduction to Audiology 12:30	MWThF	CB 2007	Shoquist
		Advanced Clinical Audiometry Additional hours TBA.			
428-4	e001	5:30-8:20	Th	CB 2007	Shoquist
		Speech Correction for Classroom Teachers (Same as Sp Ed 428)			
522a-4	001	Additional hours TBA.			
		9:30-12:20	S	CB 2012	Taylor
		Seminar in Organic Speech Problems Additional hours TBA.			
	e001	5:30-8:20	W	CB 2012	Carey

TELEVISION-RADIO (TV-R)

100-4	001	Process and Effects of Mass Communication	10:30-12:20	T Th	LB 0034
200-4		Survey of Broadcasting			
		Additional project hours TBA.			

Additional project hours TBA.

403-4

[illegible]

SPEECH PATHOLOGY AND AUDIOLOGY (S P & A)

Thea con't.

300-0,2,4 or 6	Third Year Work in Theater [Consent of director of theater]	001	TBA	CB 2015
400-0,2,4 or 6	Fourth Year Work in Theater [Consent of director of theater]	001	TBA	CB 2015
<p>Student enrolling in Theater 100-400 must be advised by the Director of University Theater, Dr. Kluth, CB 1038, before their appointment with General Studies Advisement and before registering. Students will be assigned the following hours according to the amount of credit taken:</p>				
	Acting Studio			
	2:30-5:20	M W		CB 2015
	Directing Studio			
	2:30-5:20	M W		LB 0055
	Design/Technical Studio			
	2:30-5:20	T Th		CB 2015
	Costuming Studio			
	1:30	MWF		CB 2019
	Make-up Studio			
	1:30	Th		CB 2019
	2:30-4:20	F		CB 2019
	Stage Movement			
	9:30	MWThF		CB 2015
	Dance/Composition			
	10:30	MWF		CB 2015
	Dance/Rhythmic Structure			
	10:30-12:20	T		CB 2015
	10:30	Th		CB 2015
	Dance/Technique			
	12:30-2:20	MWF		CB 2015
	Dance/Ballet			
	12:30-2:20	T Th		CB 2015
	Dance/Repertory Rehearsal			
	5:00-9:00	TBA		CB 2015
403-4	Dramatic Theory and Criticism			

403-4

[illegible]

519-1 to 4	Theater Practicum
e001	TBA
526-3	Seminar in Theater Arts Additional hours TBA.
e001	W LB 0057 Archer

TECHNICAL AND ADULT EDUCATION (T & AE)

CCS 101-4	Child Care	
e001	Additional hours TBA	PB 1308 Naylor
English Review		
e001	6:30-8:20	T PB 0412
e002	6:30-8:20	Th PB 0412
e003	8:30-10:20	W PB 0412
Speed Reading		
e001	4:30-6:20	T PB 0412
e002	4:30-6:20	Th PB 0412
e003	6:30-8:20	W PB 0412

001	12:30	MWF	CB 0194
202-4	Broadcast Performance		
	Additional project hours TBA.		
001	9:30	T Th	CB 0137
252-4	Television Laboratory [By permit only]		
001	9:30	MWF	CB 1012
	1:30-3:20	T Th	CB 1012
302a-4	Radio News [201]		
001	11:30	MWF	CB 0194
356-4	Motion Picture Production for Television [By permit only]		
001	12:30-2:20	T Th	CB 0194
390-3	Special Problems in Mass Communication [By permit only]		
001	TBA		
400-4	Seminar in Mass Communication: Mixed Media [By permit only]		
001	1:30-3:20	T Th	CB 0139
402-4	Seminar in Broadcast Management [By permit only]		
	Additional project hours TBA.		
001	1:30-3:20	W	CB 1023
404-4	Research in Broadcasting [By permit only]		
	Additional project hours TBA.		
001	10:30	T Th	CB 0194
407-4	World Broadcasting		
	Additional project hours TBA.		
001	8:30	MWF	CB 0186
466a-3	Advanced Practices I [By permit only]		
001	TBA		

THEATER (THEA)

100-0,2,4 or 6	First Year Work in Theater [Consent of director of theater]	
001	TBA	CB 2015
200-0,2,4 or 6	Second Year Work in Theater [Consent of director of theater]	
001	TBA	CB 2015

The General Studies student should submit this form to General Studies Advisement; the non-General Studies student to the sectioning center.

[illegible]

Address _____ (Number and Street) _____ (City and State) _____ (Phone Number)

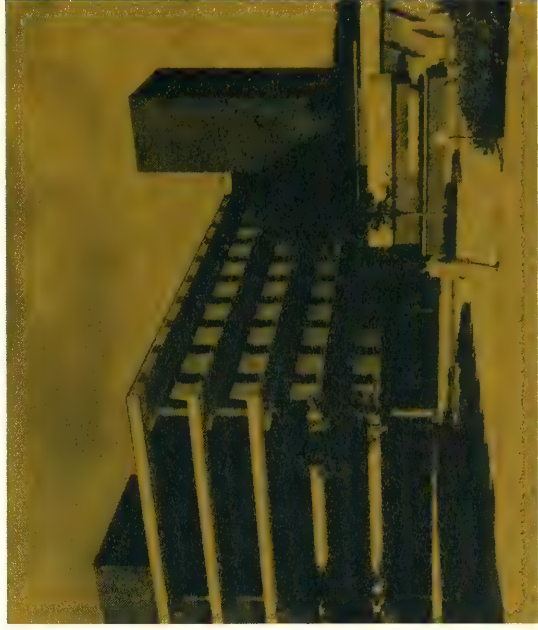
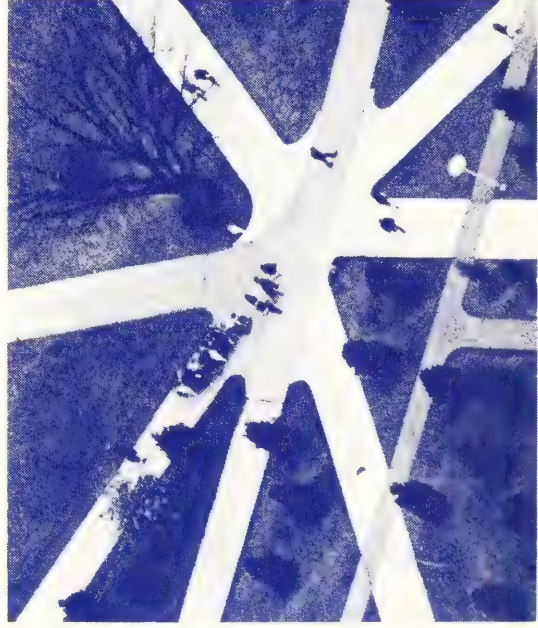
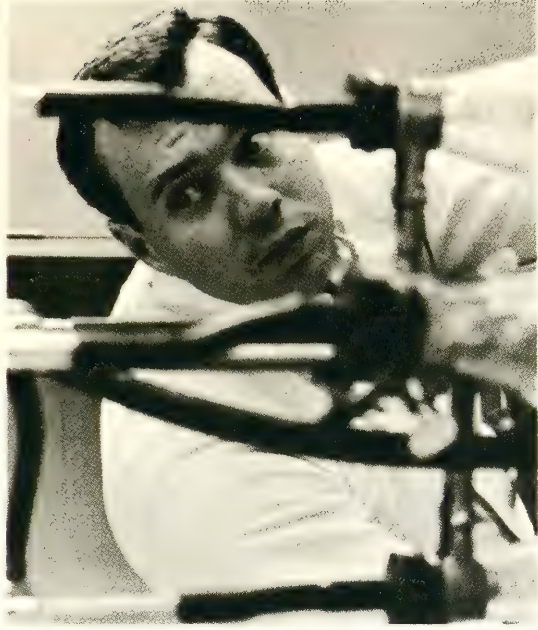
Concentration _____

Secondary Concentration _____

Class _____ Day () Evening () Number of hours student works _____

[illegible]





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Director of Admissions
Woody Hall
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Carbondale, Illinois 62901

PUBLICATIONS
REQUEST

Please send me copies of the following publications:

- ☐ Preview/71
- ☐ Vocational-Technical Institute Catalog
- ☐ Graduate School Catalog
- ☐ Undergraduate Catalog (enclose \$1)
- ☐ Fall Schedule of Classes
- ☐ Winter Schedule of Classes
- ☐ Spring Schedule of Classes
- ☐ Summer Schedule of Classes

Name (Mr., Mrs., Miss) _____

Address _____

City and State _____ Zip _____

I am presently attending (school name) _____

I plan to enter (quarter & year) _____

Remarks _____

ADMISSIONS
APPLICATION REQUEST

Please send the following admissions information:

- ☐ Admissions Application
- ☐ Honors Program

I plan to major in _____

Name (Mr., Mrs., Miss) _____

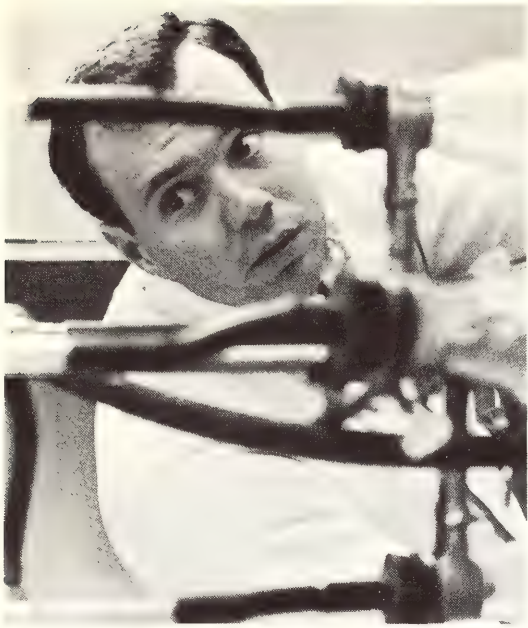
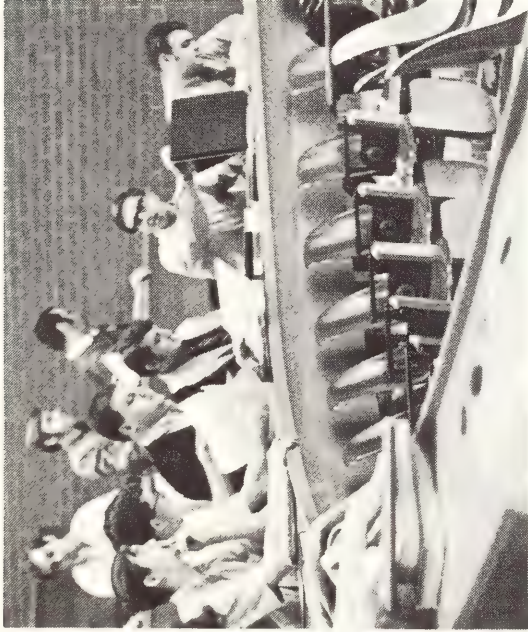
Address _____

City and State _____ Zip _____

I am presently attending (school name) _____

I plan to enter (quarter & year) _____

Remarks _____



preview / 71

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INTRODUCTION

PREVIEW / 71 has been written to familiarize the prospective student with the academic programs and student services available at Southern Illinois University. Whether you are just interested in the photographs or have definitely decided to attend this University, we hope you will find this brochure of interest.



CARBONDALE, ILLINOIS

Although most of Illinois is slightly rolling prairieland, the southernmost counties are dominated by the Ozark foothills, Shawnee Hills, and the nation's two mightiest rivers, producing some of the most beautiful scenery of the state. Colonial and early Illinois history was written here. Through the cooperation of state and federal officials, the area has developed with parks, forestlands, game refuges, and large lakes for the enjoyment of natives and thousands of visitors.

Carbondale, in addition to being the home of one of the nations twentieth largest universities, is the gateway to the historic and scenic area known as Little Egypt. The city of 25,000 is 330 miles south of Chicago and 100 miles southeast of St. Louis. On the main line of the Illinois Central Railroad, the community is also served by two airports and several main highways.

The visitor to the Carbondale area can choose his own area of interest. If it be history, the adventures of George Rogers Clark in 1778 come alive at Fort Massac State Park, to the south, and at Fort Kaskaskia State Park to the west. John A. Logan, of Civil War fame and originator of Memorial Day, is memorialized at his birthplace a few miles west. The march of the Cherokee Nation in 1838 from their ancestral home in the Great Smokies to the Indian Territory of the West, over what is known as the Trail of Tears, is recalled by bronze markers south of the city. To the north is the DuQuoin State Fair Grounds, home of the famed Hambletonian harness race held in August.

The nature lover may glory in the thousands of acres comprising the Shawnee National Forest, the 44,000-acre Crab Orchard Wildlife Refuge, a few miles east of the city, the unique rock formations of Giant City State Park, ten miles to the south, or the white pines and scenic panorama of the Mississippi River from the vantage point of the 10,000-acre Pine Hills recreation area, to the west. To the north, the University and the



coal operators have developed a model reclamation project, transforming strip mine spoil banks into picnic, fishing, and hunting grounds.

A drive along the public roads in the Crab Orchard Wildlife Refuge usually will result in sight of deer and geese feeding within the sanctuary. Outside of the protected area are hundreds of acres of government owned public hunting lands on which deer, geese, quail, and rabbits can be taken in season.

Water enthusiasts will find Carbondale a virtual port city for the 6,900 acre Crab Orchard Lake. In addition to tent and trailer camping and picnicking, the lake area offers water skiing and is the headquarters for the Crab Orchard and SIU Sailing Clubs and the annual Egyptian Cup Regatta. A half-dozen miles southwest is Little Grassy Lake, home of record-sized largemouth bass. The 1,000 acre lake is ringed with church, institutional, and Boy and Girl Scout summer camps and also provides water facilities for the University's Little Grassy Outdoor Laboratories.

Newest lake of the trio comprising the Crab Orchard Recreation Area is Devils Kitchen Lake, completed in 1961 with a shoreline of 800-acres. Fishing in all of the lakes in the Carbondale area features largemouth bass, redear sunfish, crappie, bluegill, and the scrappy channel catfish. There is no closed season. Boats and motors are available at all of the lakes, also launching ramps for persons bringing their own craft.

Although Illinois lies in the northern midwest, students attending the Carbondale campus enjoy a southern climate. Winters are mild and short with relatively few cold spells. Spring and fall seasons are long and pleasant while summers are hot, but in reality no more than the northern midwest.



The University, chartered by the State in 1869, remained a small college dedicated principally to teacher training until the late 1940's. During this time the enrollment grew to a modest 2,100 students on an eight building campus. Since that time the University has experienced a tremendous growth in its facilities, faculty, and enrollment.

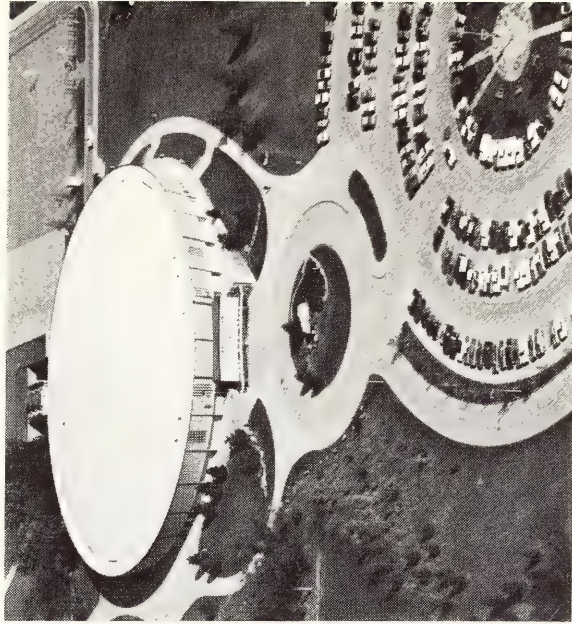
The original eight building campus with its gothic architectural tradition is now completely surrounded by a sprawling modern 7500 acre campus with a maize of paths, impressive buildings, and attractive residence halls. Even though the original campus still serves as a focal point of study and University tradition, the prevailing design of the 327 building campus now is contemporary in scope. Facilities vary in style, size, and purpose from a circular 10,000 seat Arena, to an eight sided multimedia instruction center and 17-story high rise residence halls to a permanent beach house on the 40 acre campus lake.

Being teaching and research oriented the University provides a balance of laboratories and classrooms which serve as satellites to the impressive 7-story Morris Library con-

taining over a million volumes and subscribing to over 7,000 current periodicals.

Additional facilities at the Carbon-dale campus include the Vocational-Technical Institute in Cartersville some ten miles east, the S.I.U. Airport three miles west, and laboratories at Little Grassy Lake. Enrollment pressures and the need to serve the metropolitan area of East St. Louis resulted in the opening of a second main campus near Edwardsville in March, 1967. Designed initially as a commuter campus, the \$49 million investment now has an enrollment of 13,500 with some limited housing available.

Maintaining accreditation with the North Central Association of Colleges and Secondary Schools, National Council for Accreditation of Teacher Education (NCATE) and numerous other state and national agencies provide S.I.U. students unlimited opportunities upon graduation.

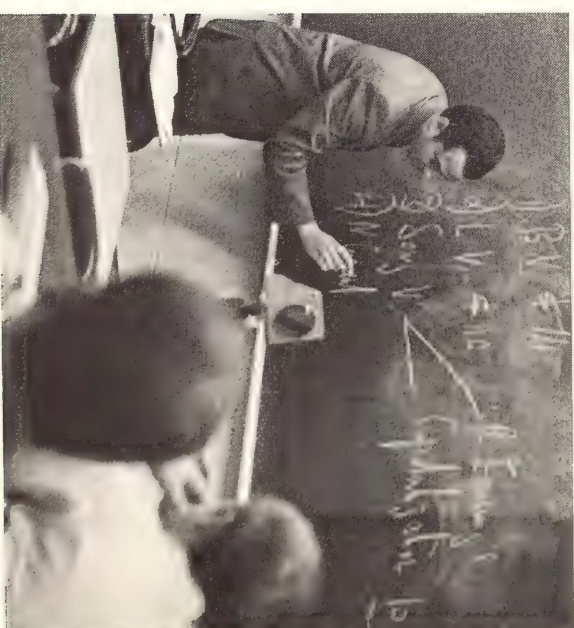


STUDENT BODY AND FACULTY

4

The diversity of the 24,000 students attending the Carbondale campus is not unchallenged by the quality and diversity of over 2400 faculty. While the majority of students are Illinois residents, students from all 50 states and 90 foreign countries attend the University. The faculty diversity ranges from professional educators with over 30 years of experience to business-oriented executives. Such noted individuals as: Merle Alexander, former head of the Federal Bureau of Crime and Correction; T.W. Baldwin, noted Shakespearean scholar; George S. Counts, considered by many the foremost authority on philosophy and education and close personal friend of the late John Dewey; R. Buckminster Fuller, internationally famous designer, noted for his design of the geodesic dome; Thomas Kinsella, Irish poet and winner

of the coveted Dolman Award; Marjorie Lawrence, one-time prima donna of the Paris and Metropolitan operas; Herbert Marshall, well-known theater authority, actor, and translator; Harry T. Moore, noted D. H. Lawrence scholar and writer; Paul Schilpp, distinguished philosopher in the company of such luminaries as Einstein, Tillich, and Kierkegaard; and many more are all members of the illustrious faculty.



Unlike the traditional two eighteen-week semester school year, S.I.U. divides its academic calendar into four quarters of approximately 12 weeks each. While three quarters is comparable to two semesters many students attend year round and still enjoy frequent vacations between quarters. Quarters are: Fall (Sept.-Dec.), Winter (Jan.-March), Spring (March-June), and Summer (June-Aug.).



At S.I.U., one finds a university pledged to the idea of providing educational opportunities for all qualified students. In achieving this goal, students can pursue one of seventeen different academic degrees ranging from a two-year associate to the doctor of philosophy or medicine.

Although the curriculum provides almost unlimited opportunities in the various schools, colleges, and professional units of the university, the program is particularly advantageous for the student undecided about his future vocation. This is possible since during the freshman and sophomore years most students concentrate on satisfying university requirements in the General Studies program. If the student has selected a vocation, work in his desired major can be taken concurrently. The General Studies program is aimed at providing all students who seek a bachelor's degree a broad foundation of knowledge in several basic areas. The student who finds a two-year vocational program of interest begins to specialize immediately and encounters only limited exposure to General Studies courses. Available two-year associate programs include:

ASSOCIATE DEGREE PROGRAMS

(Two Years)

Accounting
Architectural Drafting and Design Technology
Automotive Technology
Aviation Technology
Building Construction Technology
Business Data Processing
Commercial Art
Cooperative Retailing
Corrections and Law Enforcement
Dental Hygiene
Dental Laboratory Technology
Electronics Technology
Executive Secretarial
Highway and Civil Technology
Industrial Data Processing
Legal Secretarial
Library and Audio-Visual Technical Assistants
Machine Drafting and Design Technology
Medical Secretarial
Mortuary Science and Funeral Service
Physical Therapy Assistants
Printing Technology
Tool and Manufacturing Technology
Water Resources Technology

BACCALAUREATE DEGREE PROGRAMS

(Four Years)

SCHOOL OF AGRICULTURE

- Agricultural Education
- Agricultural Industries
- Agriculture, General
- Animal Industries
- Forestry
- Plant Industries

SCHOOL OF BUSINESS

- Accounting
- Economics
- Marketing
- Secretarial Studies
- Finance
- Management

COLLEGE OF COMMUNICATIONS AND FINE ARTS

- Art
- Cinema & Photography
- Journalism
- Music
- Radio-Television
- Theater
- Speech Pathology & Audiology
- Speech

DEPARTMENT OF DESIGN

Design

COLLEGE OF EDUCATION

- Art
- Biological Science
- Botany
- Business Teacher Education
- Chemistry
- Early Childhood
- Economics
- Elementary Education
- English
- French
- General Science
- Geography
- German
- Government
- Greek
- Health Education
- History
- Language Arts

Latin

Mathematics

Music

Physical Education (Men)

Physical Education (Women)

Physics

Recreation & Outdoor Ed.

Russian

Social Studies

Spanish

Special Education

Speech

Speech Pathology & Audiology

Tech. & Industrial Ed.

Theater

Zoology

SCHOOL OF HOME ECONOMICS

- Child and Family
- Clothing & Textiles
- Family Economics & Mgt.
- Food and Nutrition
- Home Economics Education
- Interior Design



COLLEGE OF LIBERAL ARTS

& SCIENCES

Anthropology
 Biological Sciences
 Botany
 Chemistry
 Economics
 English
 Foreign Languages
 French
 German
 Greek
 Latin
 Russian
 Spanish
 Geography
 Geology
 Government
 Health Science
 History
 Inter-American Studies
 Mathematics
 Microbiology
 Music
 Philosophy
 Physics
 Physiology

Psychology
 Sociology
 Speech
 Theater
 Zoology

SCHOOL OF TECHNOLOGY

Engineering
 Engineering Technology
 Industrial Technology
 Technical & Industrial Ed.

A student who enrolls in a pre-professional program may, subject to certain conditions, obtain a bachelor's degree after three years work (144 quarter hours) at the University and one more year in a professional school. Pre-professional areas include dentistry, engineering, law, medical technology, medicine, occupational therapy, pharmacy, physical therapy, public health, theology, and veterinary science.

SPECIAL ACADEMIC PROGRAMS AND OPTIONS

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In providing flexibility for differences of intellectual ability the University offers numerous options for its students.

Special Major

A student whose intended field of study is not listed as an available baccalaureate program may petition to design his own curriculum under the Special Major Program. This may be accomplished by consulting a faculty member or adviser and preparing a unified and coherent program for approval.

Advance Placement and Standing

A student in an advance placement course in high school may receive college credit at the University through the Advance Placement Program of the College Entrance Examination Board. Credit is granted to a student who receives a grade of 3, 4, or 5 on the College Board's Advance Placement Test.

A second alternative provides the entering student based on a combination of American College Test scores and previous courses achievement a possibility of bypassing first and second level courses in the General Studies program. The option permits the student to work in an area at a level more suited to his educational achievement and ability.

Proficiency Examinations

Any student may demonstrate his competency in an area by successfully passing a proficiency examination. Credit granted through proficiency can serve a wide range of student purposes—to satisfy basic course requirements in order to move on to more advanced work; to graduate at a faster than ordinary pace; or to meet requirements in order to permit a greater selection for elective courses.

President's Scholars

The President's Scholars program affords the academically talented freshman or sophomore an honors curriculum in which a student can experience a wide variety of

intellectual activities beyond that of a regular student. Students who obtain an ACT composite score of 26 or above may be selected and invited by invitation to participate in the program.

Intercul

Students interested in foreign cultures may want to look into the possibility that the Intercul program offers. In this program a student may explore Africa, Asia, Europe, Russia, or Latin American cultures in great depth and thereby providing valuable preparation for possible foreign studies during the junior or senior year.

Self-Instruction Center

The Self-Instruction Center located in Morris Library is designed to provide students who have a vested interest in a particular field an opportunity to increase their knowledge and academic proficiency. Available programmed instructional materials and audio equipment provide students an opportunity to study class material prepared by faculty, study for examinations, and investigate new areas.

Black American Studies

Through this office the curriculum explores the cultural and historical perspectives of the black man's place in modern society.

Pass-Fail Option

A qualified student may register for a course on a pass-fail basis. The intent of providing this option is to enable a student to enrich his experience in subject matters with which he is unfamiliar and in which he is unsure of his background or interest.

Course Substitution

A student planning to work towards a known educational goal may elect to substitute certain courses from the regularly prescribed General Studies courses. In this instance, approved courses in the same area may be substituted by the student.

Self-Determine and Challenge

Entering students with high ACT scores are encouraged to consult their academic adviser about eligibility for planning their own General Studies requirements. The same students who rank in the top 15% of their high school class are eligible to challenge the General Studies requirements. If a student obtains a "C" or higher in an upper division or third level General Studies course in more than one discipline a student may by-pass the first and second level requirements. This challenge option is only available during the freshman year.



Waiver

A final means of flexibility comes through allowance of a waiver of certain work within the area of specialization at the junior year level. A waiver may be granted to the student in the area most closely related to his specialization.

Individual Honors Work

Individual honors is available for the outstanding student who desires a heavier concentration of research and independent study during his junior and senior years than is provided by the regular curriculum. Candidates expressing a desire in this area must obtain approval from the dean of General Studies and the student's department chairman.



Students from varied backgrounds and educational experiences seek to enter the University. Conversely, requirements must be flexible enough to provide those individuals who have the intellectual capacity the opportunity to attend. As a result, requirements are based upon previous academic experiences (high school or college) and competitive national examinations (ACT or CEEB).

Although requirements are subject to change at anytime without notice, the following policies are currently enforced.

Illinois high school graduates who rank in the upper half of their graduating class or achieve a 21 ACT composite score are eligible for admission to any quarter. Other Illinois graduates are admissible to the Summer Quarter on a conditional basis.

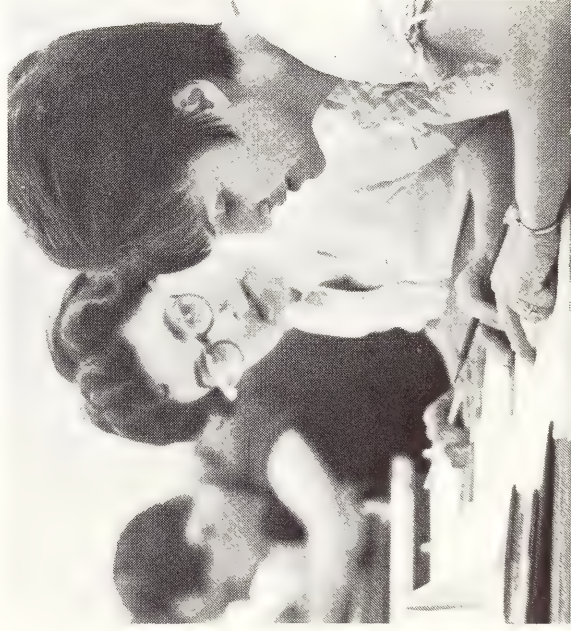
Out-of-state high school graduates who rank in the upper 40 percent of their graduating class or achieve a 22 ACT composite (SAT 926) are eligible any quarter. Graduates who rank in the upper one-half but not in the upper 40 percent or who achieve a 21 ACT composite (SAT 899) are admissible to the Summer Quarter on a conditional basis.

A student who did not complete high school but successfully passed the General Educational Development test (GED) may also enter the University.

Transfer students are eligible for admission any quarter provided they have an overall "C" average as a full-time student at the last institution attended. Students who do not have a "C" average may be considered for quarters other than Fall depending on their grade-point average and academic standing.

International students are judged along comparable lines with incoming freshmen. However, since there is considerable variation among educational systems throughout the world, international students should request a copy of the booklet *Information for Prospective International Students* which contains additional information on admission requirements. Graduate students should consult the Graduate School Office as to the specific requirements for admission.

Undergraduate candidates interested in making application to the University must first obtain the necessary application forms available by writing the Admissions Office. Details on the necessary procedures involved will be enclosed with these materials. Applications are accepted any time after a high school student completes the junior year or one term prior to transferring from another institution.



The University attempts to provide an entering student an efficient and effective introduction prior to attending classes. Through the advisement and registration program, a student may register during the Advance Registration Program or immediately prior to the beginning of the quarter. The Advance Registration conducted several weeks before the quarter begins usually takes approximately one-half day to complete unless the student desires to take advantage of various proficiency examinations. In this case, an additional two hours or more should be allotted for this purpose. If a student finds it impossible to advance register due to excessive distance or other commitments he may complete the registration immediately prior to the beginning of the quarter. During this time, the student follows a similar indoctrination with numerous new student activities conducted jointly.

COSTS

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Estimated total cost per year (three quarters) varies from \$1700 to \$2200 for an Illinois resident and \$2500 to \$3000 for non-residents. These costs vary in accordance with a student's residency living accommodations, and miscellaneous expenses. On a quarterly basis, 1971 costs are:

Tuition and Fees	
University Housing	\$ 165.50 *
Miscellaneous Expenses	\$307-347.00
(dates, traveling)	\$100-220.00

*Out-of-State (\$446.50)

While miscellaneous expenses vary in accordance with the students needs, they usually average about \$600 a year. The Board of Trustees reserves the right to change the tuition and fees charged as the need exists.

STUDENT WORK AND FINANCIAL ASSISTANCE

The primary aim of the Student Work and Financial Assistance Office is to provide an opportunity for students to enter and continue in higher education without excessive financial burden. The programs function as an integral part of the total educational experience of the student who may lack financial resources and/or who may excel scholastically or may wish to develop skills in practical work situations. The Financial Assistance Program includes scholarships, awards, prizes, grant-in-aid, loans, and part-time work. Assistance is available to students who meet minimum scholastic requirements and substantiate a financial need. In the Student Work Program, although preference is generally given to students with great financial need substantiated by the ACT Family Financial Statement, it is usually possible to provide work experience for most students who express a desire. As a result it is not unusual for a student who works 15 to 20 hours per week to earn \$850 to \$1200 during an academic year. Additional information may be obtained by writing the Student Work and Financial Assistance Office.





The University considers the housing of its students a major responsibility since the living experience is a vital and integral part of the educational process. Since on-campus University housing facilities are limited, students may live in privately owned off-campus facilities approved by the University. Housing facilities vary from a sparsely furnished room to a lavish apartment complete with swimming pool. Prices also vary accordingly. University housing facilities include fraternities and sororities, 17-story high rises and, residence halls bordering the campus lake. Off-campus approved facilities include privately owned residence halls, boarding houses, apartments, and trailers.

Residence halls are organized to provide an atmosphere conducive to academic and social development of the residents. This is possible through the cooperation of a full-time resident advisory staff and student committees. University room and board residence hall rates vary from \$307 to \$347 per quarter compared to off campus private hall rates from \$310 to \$410.

Twenty-two fraternities and sororities now have chapters on or off campus. Besides providing worthwhile activities for members, these organizations also give their assistance to numerous service projects at the University and in the community. On campus fraternities and sororities are located at the corner of the campus lake in the Small Group Housing area. Off-campus chapters are spread throughout the community.

Married facilities include Southern Hills, with furnished efficiency, one, and two bedroom apartments, and Evergreen Terrace, with two and three bedroom apartments. In addition the University maintains a 53 space trailer court for interested married students.

The Housing Information Center assists students in obtaining available off-campus housing facilities, while Housing Business Services makes arrangements for on-campus accommodations.

EXTRA CURRICULAR ACTIVITIES

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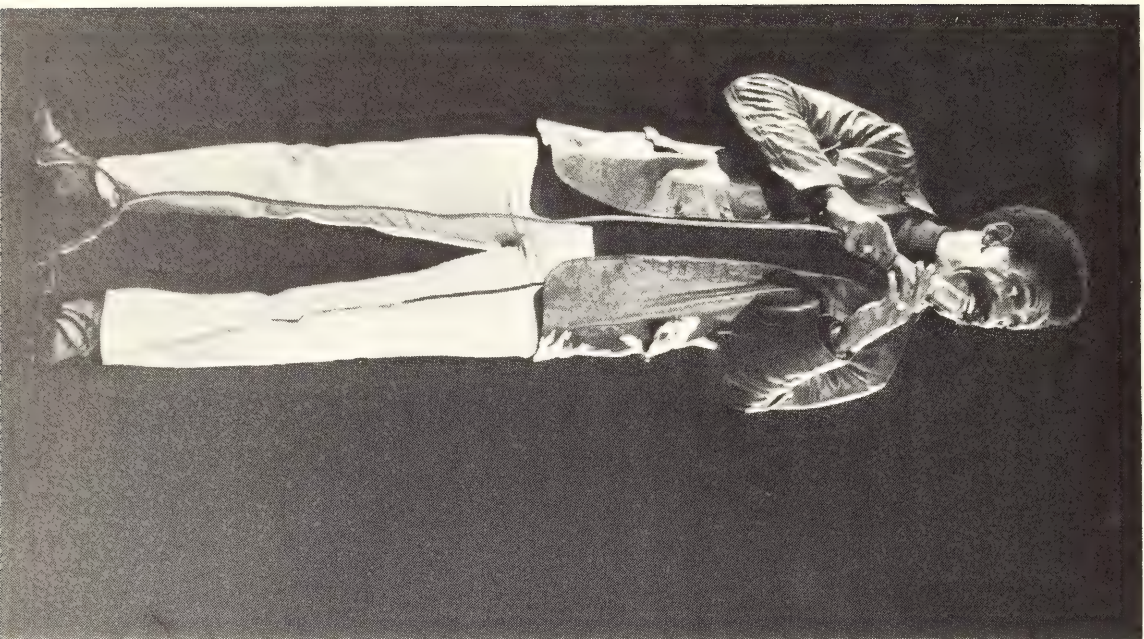
The University maintains under the coordination of the Student Activities Office a well-planned extra curricular calendar of activities and events. Whether the student is merely an occasional observer or wants to extensively become involved in clubs, organizations, and/or numerous committees, considerable freedom prevails. Outside the realm of planned activities, a student may enjoy a peaceful evening of relaxation in front of a roaring fire at the University Center Magnolia Lounge or a shady spot in the afternoon on the patio. Located in this building are numerous lounges, a cafeteria, snack bar, T.V. Lounge, bowling lanes, pool, billiards, and table-tennis, and the University book store. The upstairs area provides facilities for dances, banquets, receptions, gallery exhibition, and meetings in the ballrooms.

The Student Government Activities Council is composed of students who volunteer their time to plan, develop and implement a program of activities designed to meet the variety of interest and needs of the student body. Committees like the Current

Events Committee are responsible for planning timely programs of interest while the Hospitality Committee is directly responsible for arrangements of Parents Day and Convocation guests. A Social Committee schedules a variety of activities including trips to St. Louis, dances, and various entertainment events. An orientation Committee coordinates a program for all new students in helping them become better acquainted with the University and its many offerings, while other committees work on major campus events such as Homecoming, Parents Weekend, and Spring Festival.

Traditional Events

Homecoming, a colorful weekend in the fall is a gala period honoring visiting alumni and friends of the University. During this time a parade, bonfire and pep rally, football game, queen coronation, dance, and stage show with such top flight personalities as Bob Hope, Peter, Paul & Mary, etc., entertain large crowds. Parents weekend as the name implies is devoted to honoring all parents at the football game, celebrity show and University Center dance.



During the winter quarter the Theta Xi Variety Show brings together in competition outstanding campus talent for the enjoyment of the audience. The Miss Southern Pageant, midway attractions, and a stage show featuring such personalities as Harry Belafonte, the Supremes, and others highlight Spring Festival. On a lighter side the spring and summer quarter Saluquarama water carnival features a day of competitive aquatic events and beach activities at the Lake-on-the-Campus. Individual and group events are held in swimming, rowing, and canoeing activities with the evening climaxed with refreshments and a dance on the beach.

Cultural Series

SIU has also established a tradition of providing outstanding cultural activities throughout the year. Featured are prominent lecturers and performers in the area of music, dance, dramatics, current events, and social problems. The Celebrity Series features a blend of both popular and classical entertain-

ment including touring companies of famous Broadway musicals and outstanding solo and recording artists. While the Arena Series annually brings to the campus such star performers as Al Hirt, Herb Alpert and the Tijuana Brass, Van Cliburn, Ella Fitzgerald, Ed Ames, Bill Cosby, Sergio Mendes and the Brazil 66, Fifth Dimension, Donovan, Simon and Garfunkel, Blood, Sweat, and Tears, and many more.

Three separate film series, co-sponsored by various student organizations feature a wide variety of recent entertaining and interesting films. Savant introduces a series of films based on various important works in literature and drama. After each film, faculty-led discussions provide students with a deeper understanding and scope. Cinema Classics presents films that have been acclaimed by the motion picture industry as tops in their field while the Movie Hour films cover numerous areas.

Concerts by the various organizations within the Department of Music offer a student an opportunity to hear some of the world's finest music. Instrumental and vocal concerts by the University Symphony, Symphonic Band, University Choir, and

others attract interested students throughout the school year. Other entertaining programs include the Opera Workshops, Summer Music Theater, and Sunday concerts.

Outstanding dramatic and dance productions produced by the Southern Players and presentations by the Interpreter's have gained great popularity with the student body. The Oral Interpretation Division of the Department of Speech presents monthly programs including experimental adventures on its new Caliper Stage in the Communications Building. For the student who prefers just to browse, the University Museum and Art Galleries undoubtedly will be of interest. Throughout the year various items and works are on display for viewing.

For the student who has talent in the field of writing numerous student publications provide the outlet for his interest. He may for instance write for the Daily Egyptian, the campus newspaper, or find working on the award winning Obelisk Yearbook more to his liking, or prefer contributing to the various campus departmental newspapers and newsletters available in each living area of interest.

STUDENT ORGANIZATIONS

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In addition to over 3,000 organized student activities, there are some 264 recognized student organizations. Of this total 44 are scholastic and professional honoraries; 119 interest oriented; 55 are classified as departmental clubs; 23 religiously affiliated and 23 are fraternities and sororities.

SCHOLASTIC AND PROFESSIONAL

HONORARIES

- Alpha Delta Sigma (Journalism)
- Alpha Epsilon Rho (Broadcasting)
- Alpha Eta Rho (Aviation)
- Alpha Kappa Psi (Business)
- Alpha Lambda Deltas (Frosh Women)
- Alpha Sigma Rho (Retailing)
- Alpha Zeta (Agriculture)
- Amer. Inst. for Design & Drafting
- Amer. Inst. of Interior Designers
- Amer. Soc. of Tool Mfg. & Eng.
- Beta Alpha Psi (Accounting)
- Beta Gamma Sigma (Business)
- Chemeka (Amer. Chem. Soc.)
- Epsilon Tau Sigma (Architecture)
- Illinois Home Economics Association
- Iota Lambda Sigma (Industrial Ed.)



- Kappa Delta Pi (Education)
- Kappa Omicron Phi (Home Ed.)
- Kappa Tau Alpha (Journalism)
- Mu Phi Epsilon (Music—women)
- Natl. Soc. of Interior Designers
- Omicron Delta Epsilon (Economics)
- Phi Beta Lambda (Sec. & Business)
- Phi Beta Lambda—VTI
- Phi Eta Sigma (Frosh—men)
- Phi Gamma Nu (Business)
- Phi Mu Alpha (Music—men)
- Pi Delta Epsilon (Publications)
- Pi Kappa Delta (Speech)
- Pi Lambda Theta (Ed.—women)
- Pi Mu Epsilon (Mathematics)
- Pi Omega Pi (Bus. & Teaching)
- Pi Sigma Alpha (Science)
- Pi Sigma Epsilon (Marketing)
- Sigma Alpha Eta (Speech & Hearing)
- Sigma Delta Chi (Journalism)
- Sigma Phi Sigma—VTI
- SIU Jr. Amer. Dental Hygienists Assoc.
- Soc. for Advancement of Management
- Soc. of Physics Students
- Student Nat'l. Art Ed. Assoc.
- Theta Sigma Phi (Journalism—women)
- Xi Sigma Pi (Forestry)
- Zeta Phi Eta (Speech—women)

SPECIAL INTERESTS

Action Party
African Student Assoc.
Afro-Amer. African Stud. Union
Afro-Amer. History Club
AFROTC-Cadet Ladies
Alpha Phi Omega
Ananda Marga Yoga Society
Angel Flight
Aquaettes
Arab Student Org.
Blacks Interest in Business
Black Student Union
Cheerleaders
Chinese Student Club
Circle K
Club de las Americas
Committee of Volunteers
Council of Pres. Int'l. Stud. Assoc.
Dames Club
Draft Info. Service
Forestry Wives
Grand Touring Auto Club
Hellenic Student Assoc.
Impact

Indian Student Assoc.
International Rel. Club (CIRUNA)
Intramural Athletics
Iranian Student Assoc.
Korean Students
Little Egypt Grotto of Nat'l.
Speleolog. Soc.
Married Student Council
Nepalese Stud. Assoc.
Nigerian Student Assoc.
Obelisk
Order of Isis
Order of the Pyramid
Pre-Law Club
Pre-Medical & Pre-Dental Society
Ra Ribbon Society
Reform Party
Sagau Ichiban Judo-Kai of SIU
Saluki Flying Club
Saluki Loyalists
Single Graduate Comm.
SIU Amateur Radio Club
SIU Chess Club
SIU Graduate Wives
SIU Int'l. Soccer Club
SIU Karate Club
SIU Sports Parachute Club



SIU Tae Kwon Do (Judo)

Social Work Club
 So. Ill. Collegiate Sailing Club
 So. Ill. Peace Comm.
 So. Ill. Veterans Corp.
 So. Ill. Univ. College Republicans
 Southern Players
 Sphinx Club
 Students for a Democratic Society
 Tea Party
 Thai Student Organization
 Unity Party
 University Bands
 University Chamber Choir
 University Men's Glee Club
 University Oratorio Chorus
 University Women's Ensemble
 Visiting Int'l. Stud. Assoc.
 Wheelchair Athletics
 Winged Wheels
 Women's Liberation Front
 Young Americans for Freedom
 Young Democrats
 Young Socialists Alliance
 Youth for a New America

DEPARTMENTAL

Accounting Club
 Advertising Club
 Agriculture Economics Club
 Ag. Industries Grad. Stud. Club
 Ag. Student Advisory Council
 American Marketing Assoc.
 Arnold Air Society
 Assoc. for Computing Machines
 Assoc. of Childhood Education
 Block & Bridge Club
 Botany Club
 College Stud. Personnel Grad. Assoc.
 Community Development Colloq.
 Council for Exceptional Children
 Debate Team
 Delta Tau Club (Dental)
 Der Deutschen Club
 Design Initiative
 Economics Student Assoc.
 Engineering Club
 English Club
 Food & Nutrition Council
 Forestry Club
 French Club
 Geography Club
 Geology Club
 Linguistics Club



History Club
 Home Economics Graduates
 Interpreter's Theatre
 Men's P. E. Majors
 Philosophy Club
 Photography Society
 Plant Ind., Soil & Water Cons. Club
 Pre-Professional Health Org.
 Psychology Colloquium
 Recreation Club
 School of Business Stud. Council
 School of Music Stud. Council
 SIU Anthropological Society
 SIU Fish & Wildlife Society
 SIU Press Club
 SIU Undergrad. Comm. Men's P. E.
 Sociology Club
 Stud. Advisory Council—Forestry
 Student Education Association
 Technical & Industrial Ed. Club
 Technology Club
 Undergrad. Sociology Club
 University FFA
 VTI Electronic Technicians
 VTI Stud. Advisory Council
 Women in Education
 Women's Professional P. E.
 Women's Recreation Assoc.



FRATERNITIES
 Alpha Gamma Rho
 Alpha Kappa Lambda
 Alpha Phi Alpha
 Delta Chi
 Delta Upsilon
 Kappa Alpha Psi
 Omega Psi Phi
 Phi Kappa Tau
 Phi Sigma Kappa
 Sigma Alpha Mu
 Sigma Pi
 Sigma Tau Gamma
 Tau Kappa Epsilon
 Theta Xi

SORORITIES

Alpha Gamma Delta
 Alpha Kappa Alpha
 Alpha Omicron Pi
 Delta Zeta
 Delta Sigma Theta
 Sigma Delta Tau
 Sigma Gamma Rho
 Sigma Kappa
 Sigma Sigma Sigma

RELIGIOUS

Interfaith Council
 Baha'i Club of SIU
 Baptist Student Center
 Campus Crusade for Christ
 Canterbury Club
 Christian Science Org.
 Church of Christ Stud. Center
 Deseret Club
 Eastern Orthodox Club
 Gamma Delta

Inter-Varsity Christian Fellowship
 Jewish Student Assoc.
 Kappa Epsilon
 Liahona
 Lutheran Student Assoc.
 Moslem Student Assoc.
 Navigators of SIU
 Newman Center
 Student Christian Foundation
 Unitarian Fellowship
 Wesley Foundation



In recent years ten national championships in six different sports have been won by Southern Illinois University athletic teams and four members of the S.I.U. coaching staff have been selected as coach of the year in their respective sports. At the recent Olympic Games in Mexico City four Olympians were SIU athletes. The Salukis' participate intercollegiately in football, baseball, basketball, cross country, golf, gymnastics, swimming, tennis, track, and wrestling. Women compete intercollegiately in gymnastics, golf, tennis, swimming, softball, field hockey, badminton, basketball, fencing, track and field, and volleyball.

Athletic scholarships are awarded by coaches of individual sports. Applicants interested in obtaining more information on athletic scholarships are encouraged to contact the coach in the area of their interest.

An extensive well-supervised intramural program for both men and women provide interested students with an opportunity to participate in more than twenty different types of physical and recreational activities.

Textbook Service

One very beneficial program for undergraduate students attending the University is the Textbook Rental Service. Instead of buying textbooks which could easily cost over \$100 per year, a student is able to rent his textbooks due to the fee he paid at the beginning of the quarter. Textbooks are returned at the end of the quarter or may be purchased at a minimum charge if the student desires to keep the book.

Graduate students purchase their textbooks at 20 percent less the original cost.

Food Services

Students living in University residence halls receive twenty meals a week during the quarter. These meals are included in the room and board charge. Meals are planned under the supervision of professional food service personnel employed by the University. Off-campus residence facilities provide similar food service arrangements. Students living in the community without food service facilities may purchase a meal ticket to eat at various university cafeterias.



Health Service

The University's Health Service facilities include a modern, well-equipped health center with a staff of professional doctors and nurses. Cost for treatment is included in the fees charged at the beginning of a quarter. The infirmary provides limited medical care for students including a 24 hour emergency service, outpatient clinic, laboratory, and X-ray facilities. There is also a pharmacy in which prescription medications may be purchased at cost. Community resources include two hospitals and a medical clinic.

Counseling and Testing

During a student's college career, he may find himself confronted with problems which cannot be solved without the help of others. Perhaps he feels the need to merely discuss these concerns with someone more knowledgeable who will advise him wisely or just someone other than a friend. The Counseling and Testing Center counselors and therapists help students meet and solve academic, personal, and vocational problems.



Through the use of conferences and/or modern testing devices, the counselor may help each person understand and cope with his concern.

The Reading Center

The new college student soon learns that the ability to read quickly and comprehensively is extremely worthwhile. Such ability enables him to finish his studies faster and more efficiently. The Reading Center, located in the Wham Education Building, is available to students who desire to increase their speed and comprehension or need assistance with reading or studying skills. This center, complete with modern equipment, can help the student to develop new reading habits and, perhaps, make his studies easier and more enjoyable.

Handicapped Student Center

With level terrain, sidewalk ramps, and special elevators, the campus is specifically designed to facilitate the physically handicapped student. The Handicapped Student Services Office in cooperation with the Vocational Rehabilitation Association and the Illinois Division of Vocational Rehabilitation, assist in making the campus adjustment as easy as possible.

Placement Service

As a student considers which college to attend, he should also consider his future after he completes his degree. Many excellent opportunities are indeed awaiting the college graduate, and with the free help of the University Placement Service, employers and employees are matched in such a way that both parties may benefit. Upon a student's request, a file at the Placement Service is prepared by the student, containing recommendations, transcripts, and other information deemed pertinent. This file is then available for prospective employers from different firms, companies, and schools who visit campus or write requesting information.

Other Services

There are, of course, many other major services offered to all students. For instance, a voluntary two and four year Air Force Reserve Officers Training Corp program for young men and women desiring entrance into the Air Force. Upon completing this program, the cadet enters as a second lieutenant. Additional information may be obtained by writing the Aerospace Studies Center in Wheeler Hall.

Other services include the speech, hearing, and writing clinics, Labor Institute, Safety Center, Center for Business Services, Extension Service, and the Self-Instruction Center mentioned earlier.



VISITING THE CAMPUS

MAP LEGEND

24

One of the most effective ways to reach a decision on which school to attend is by visiting the campus. Consequently, thousands of guests visit the campus each year. Since the University is open year-round visitors are welcome at any time without an appointment. Various offices make a special effort to provide information and service to campus visitors. While most offices are open daily, Monday through Friday, and from 8:30 a.m. to Noon on Saturday, other offices such as the Information Desk at the University Center and the Information and Scheduling Office in Anthony Hall remain open evenings. A pre-college counselor in the Admissions Office may be particularly helpful in explaining the University, answering questions, and providing materials. Staffs at the Offices of Student Work and Financial Assistance and Housing Business Services can provide helpful information concerning ways of offsetting the financial burden of your education and available on and off-campus housing facilities. Organized groups desiring guided campus tours should contact prior to their visit, the Information and Scheduling Office. This office also maintains a list of available lodging facilities in and near the community.

OLD CAMPUS

1. Old Main Site
2. Altgeld Hall (1896)
3. Wheeler Hall (1904)
4. Allyn Building (1908)
5. Anthony Hall (1913)
6. Shryock Auditorium (1918)
7. Women's Gymnasium (1925)
8. Parkinson Laboratory (1928)
9. McAndrew Stadium

NEW CAMPUS

10. Pulliam Hall (1951)
11. Vocational Technical Institute (1951)
12. Woody Hall (1953)
13. Life Science Building (1953)
14. Morris Library (1953)
15. Thompson Point Residence Halls (1957)
16. Agriculture Building (1957)
17. Home Economics Building (1959)
18. Southern Hills Family Housing (1960)
19. Small Group Housing (1960)
20. University Center (1961)
21. SIU Arena (1964)
22. Wham Education Building (1964)
23. General Classroom Building (1967)
24. University Park Residence Halls (1965)
25. Lawson Hall (1965)
26. Communications Building (1966)
27. Technology Buildings (1966)
28. Physical Science Building (1968)
29. Evergreen Terrace Family Housing (1968)
30. Washington Square

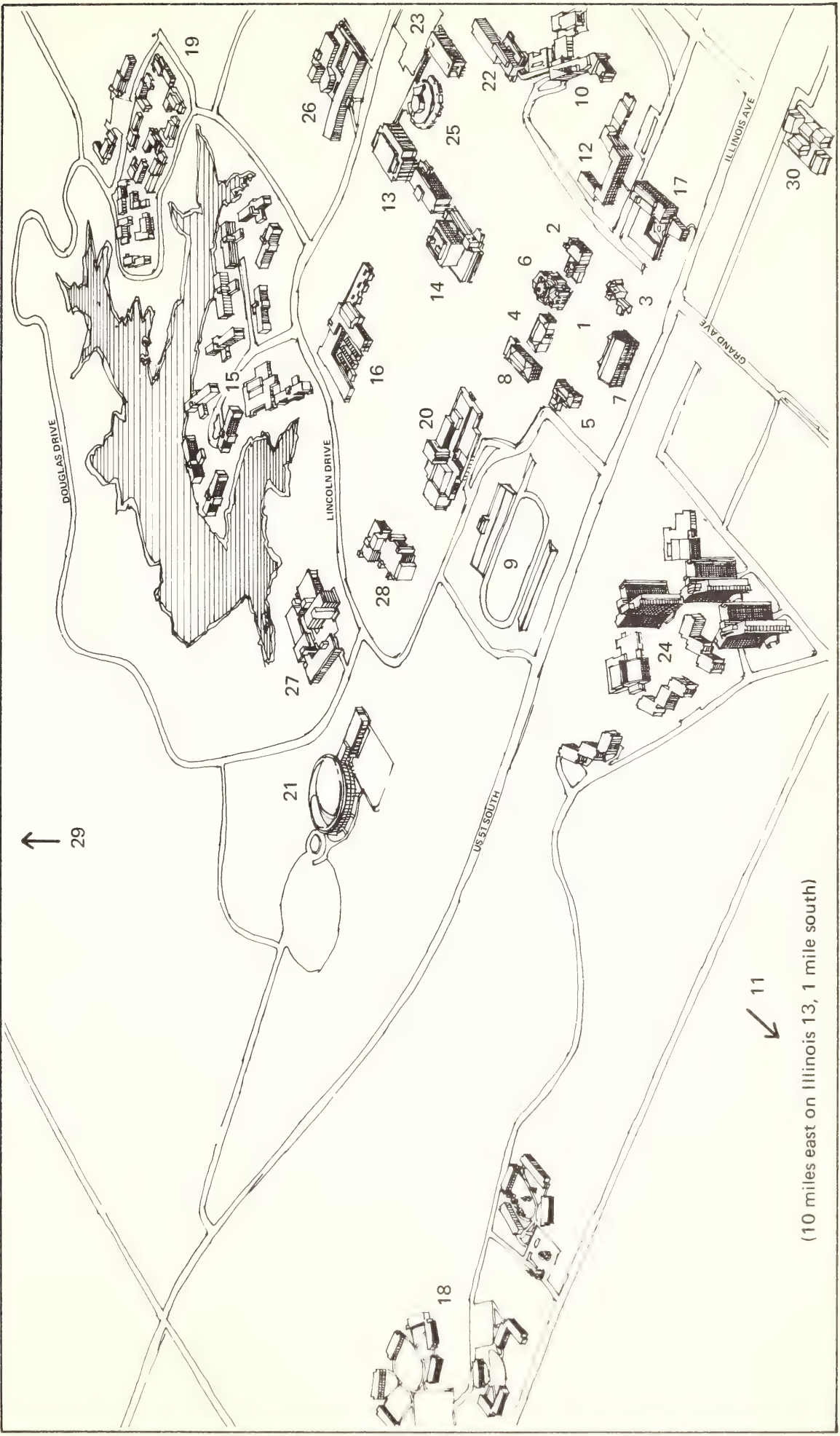
SCHOOLS, COLLEGES, AND INSTITUTE

16. School of Agriculture
23. School of Business
26. College of Communications and Fine Arts
22. College of Education
17. School of Home Economics
23. College of Liberal Arts & Sciences
27. School of Technology
11. Vocational Technical Institute

OFFICES

5. Anthony Hall
Information & Scheduling
(Campus Tours)
12. Woody Hall
Admissions Office
Registrar's Office (Registration)
General Studies Division (Advisement)
Bursar's Office (Fee Payment)
Cafeteria
20. University Center
Information Desk
Book Store
Cafeteria
30. Washington Square
Student Work & Financial Assistance
Housing Business Services
Counseling and Testing
Dean of Students

CAMPUS
MAP



UNIVERSITY
CALENDAR

FALL, 1970	New Students Quarter Begins Thanksgiving Vacation Final Examinations	Sunday-Tuesday, September 20-22 Tuesday, September 22* Tuesday, 10 p.m.-Monday, 8 a.m., November 24-30 Saturday-Friday, December 12-18
WINTER, 1971	Quarter Begins Washington's Birthday Holiday Final Examinations	Monday, January 4* Monday, February 15 Saturday-Friday, March 13-19
SPRING, 1971	Quarter Begins Memorial Day Holiday Final Examinations Commencement (Edwardsville) Commencement (Carbondale)	Monday, March 29* Monday, May 31 Saturday-Friday, June 5-11 Friday, June 11 Saturday, June 12
SUMMER, 1971	Quarter Begins Independence Day Holiday Final Examinations Commencement (Edwardsville) Commencement (Carbondale)	Monday, June 21* Monday, July 5 Monday-Friday, August 30-September 3 Friday, September 3 Saturday, September 4
FALL, 1971	New Student Days Quarter Begins Thanksgiving Vacation Final Examinations	Sunday-Tuesday, September 19-21 Tuesday, September 21* Tuesday, 10 p.m.-Monday, 8 a.m., November 23-29 Saturday-Friday, December 11-17
WINTER, 1972	Quarter Begins Washington's Birthday Holiday Final Examinations	Monday, January 3* Monday, February 21 Saturday-Friday, March 11-17
SPRING, 1972	Quarter Begins Memorial Day Holiday Final Examinations Commencement (Carbondale) Commencement (Edwardsville)	Monday, March 27* Monday, May 29 Saturday-Friday, June 3-9 Friday, June 9 Saturday, June 10

*Classes begin with the evening classes after 5:30 p.m. on the Carbondale campus
and with the evening classes after 4:30 p.m. on the Edwardsville campus.

There are several other publications which may be of interest to the prospective student. Copies of these publications may be obtained by writing *Central Publications*, Southern Illinois University, Carbondale, Illinois 62901

GUIDELINES / 71 (Carbondale or Edwardsville)
VOCATIONAL-TECHNICAL INSTITUTE
CATALOG

GRADUATE SCHOOL CATALOG (Carbondale or Edwardsville)
UNDERGRADUATE CATALOG (Carbondale or Edwardsville) Copies are distributed free to educational institutions and to students *admitted* to the University. Others may purchase a copy for \$1.00 prepaid.

To obtain additional information return the appropriate card.

The following glossary is meant to help the prospective student become acquainted with certain words, phrases, and slang expressions used at the University.
ACADEMIC LOAD. Number of hours of course work. The normal academic load is 15-16 hours per quarter.
ACADEMIC UNIT. A major academic division of the University offering fields of study.
ACADEMIC YEAR. Representing three quarters (9 months) from September to June.
AREA OF CONCENTRATION. A subject or field of study (major) chosen by a student to represent his principal interest and upon which he concentrates a large share of his efforts.

AUDIT. To attend class and do prescribed work but not receive a letter grade or credit.
B.A. Bachelor of Arts
BOARD OF TRUSTEES. A Governing body who holds title to the property and manages the affairs of the University.

BRUSH TOWERS. Two 17-story residence halls for men and women with an adjoining cafeteria.

B.S. Bachelor of Science

BURSAR'S OFFICE. Where a student pays tuition, fees, and residence hall charges or cashes a check.
CAMPUSED. The restriction imposed on coeds for "late minutes" on closing hours; usually this entails remaining in the room or residence area for a stipulated period of time.
CHANCELLOR. The governing academic administrator of the campus.
COED. A woman attending a college or university.

CONVO (Short for CONVOCATION). A cultural program open to all students.
CUT. The voluntary non-attendance to a class.
DAILY EGYPTIAN. The student newspaper printed daily Tuesday through Saturday.

DEAN'S LIST. The academic honor roll.
DECAL (OR STICKER). A gummed label applied to a car or other type of motor vehicle in order to permit a student, staff, or faculty member to park in a university lot. In general, new students are prohibited from owning or operating a motor vehicle on campus.
DROP. To officially withdraw from a course.

ELECTIVE. A course that counts toward a degree but is not required.

EMERITA OR EMERITUS. Retired or honorably discharged from active duty because of age, infirmity, or long service, but retained on the rolls, such as a "professor emeritus."

EXTRA-CURRICULAR. Those activities which are not a part of academic courses.

FINAL. An examination testing student comprehension of material covered in a course during the quarter.

FRESHMEN. A first-year student who has completed less than 42 hours of course work.

GENERAL STUDIES (GS). A required series of basic courses designed for freshmen and sophomores before they specialize.

GRADE POINT AVERAGE. The total number of grade points divided by the total number of hours of credit.

GRADE POINT SYSTEM. A five-point system is used at SIU; A=5, B=4, C=3, D=2, E=1.

GRANT-IN-AID. Financial aid to a student. Usually this type of aid does not have to be repaid.

GREEK. A student who is a member of a social fraternity or sorority.

GREEK ROW. The Small Group Housing area where fraternities and sororities are located.

CREDIT HOUR. This represents the work done by a student in a course that he attends one hour per week for one quarter.

IDENTIFICATION CARD or ID. A plastic card with the student's security number, picture, name, and age. This is an extremely important card used not only for identification purposes but also for obtaining textbooks and other necessary items.

JUD BOARD or J. BOARD. The Judicial Board is a committee of student members selected by residents of their living area to handle violations of regulations.

JUNIOR. A student who has completed from 90 through 137 quarter hours.

L.A. & S. The College of Liberal Arts and Sciences.

M.A. Master of Arts

MATRICULATE. To enroll and register in a college or university.

MID-TERM. An examination testing a student's comprehension of material covered in the first half of the course.

M.S. Master of Science.

OBELISK. The Carbondale campus student yearbook.

Ph.D. Doctor of Philosophy.

PLEDGE. A man or woman who has joined a fraternity or sorority but has not become an active member.

PROBATION DISCIPLINARY. A trial period in which the student is permitted to change his personal conduct to a more acceptable level.

PROBATION, SCHOLASTIC. A trial period in which the student is permitted to redeem his academic good standing.

PROF. An abbreviation for professor.

PROFICIENCY EXAMS. A test taken in lieu of enrolling in and passing a class to receive credit. If a student passes the examination with a "C" or better he receives credit equal to the course credit.

QUARTER. One of the periods into which instruction is organized (usually 12-week periods).

QUARTER BREAK. The vacation period between quarters.

RECORD NUMBER. The number (usually a student's social security number) that is given to a student during registration and is used to identify his individual records while at the University.

REGISTRAR. The University officer who processes student admissions, coordinates the registration process, keeps the student's academic records, and assists in certifying students for graduation.

REGISTRATION. A process of being advised, scheduling classes, and paying fees. Registered.

RUSH. The process whereby students visit fraternities and sororities and choose the particular organizations they wish to pledge.

SALUKI. The University mascot. An ancient Egyptian racing dog.

SCHOLARSHIP. Money or other aid granted to a student who is academically or athletically talented.

SCHOOL. A particular faculty or academic unit of the University having the right to recommend candidates for degrees.

SECTION. The group of students taking a course at a particular time.

SEMINAR. A small group of students engaged in advanced study and original research under a member of the faculty.

SENIOR. A student who has completed 138 quarter hours or more.

SOPHOMORE. A student who has completed at least 42 but less than 90 quarter hours.

SYLLABUS. A collection of expressed opinions or articles contributed by several persons on a given subject or topic. A course outline.

TAKE-HOME FINAL. A final exam which the student may write at home with the use of a textbook.

THESIS. An original research work submitted in requirement for a master's degree.

THOMPSON POINT or TP. The residence area on campus that is located on the edge of the Lake-on-the-Campus.

UNDERGRADUATE. A student who has not achieved his first academic or bachelor's degree.

UNIVERSITY PARK. A University five building residence housing area for men and women.

UPPERCLASSMAN. A junior or senior.

V.T.I. Vocational-Technical Institute

WAIVE. A method by which a student gains approval to omit a course related to his major field of study, and to take related work in the same subject area.

WASHINGTON SQUARE. A complex of five building on the NE corner of campus housing various university offices (Housing, Counseling & Testing, Financial Assistance).

WOODY HALL. A former residence hall and cafeteria which now houses the admissions, advisement, registration, bursar, international student offices, etc.

WSIU-FM. The University's FM radio station (91.9 megacycles).

WSIU-TV. One of the University's television stations (Channel 8).

HOUSING
BUSINESS SERVICE

Please send the following housing information:

- ☐ University *on campus* single student housing
- ☐ Privately owned single student *off campus* facilities
- ☐ Married student housing

Name (Mr., Mrs., Miss) _____

Address _____

City and State _____ Zip _____

I am presently attending (school name) _____

I plan to enter (quarter & year) _____

Remarks _____

STUDENT WORK
AND FINANCIAL ASSISTANCE

Please send the following financial assistance application and ACT Family Financial Statement:

- ☐ SIU Scholarship Application
- ☐ Illinois Guaranteed Loan
- ☐ National Defence Student Loan
- ☐ Educational Opportunity Grant
- ☐ Illinois State Grant (Available Dec. 1-March 1)
- ☐ Student Work Application
- ☐ Junior College Scholarship

Name (Mr., Mrs., Miss) _____

Address _____

City and State _____ Zip _____

I am presently attending (school name) _____

I plan to enter (quarter & year) _____

Remarks _____

Student Work and Financial Assistance
Washington Square
Southern Illinois University
Carbondale, Illinois 62901

Place
Stamp
Here

Supervisor of Contracts
Housing Business Service
Washington Square D
Southern Illinois University
Carbondale, Illinois 62901

Place
Stamp
Here



Address Correction Requested

Southern Illinois University
Bulletin

Schedule of Classes, Winter Quarter, 1971
Carbondale



This Bulletin

contains the schedule of classes to be offered by Southern Illinois University at Carbondale for the winter quarter, 1971, at Carbondale, Southern Acres, and Little Grassy Lake. It also provides information relative to admission, advisement, registration, and fees.

Schedule of Classes

Winter, 1971

Southern Illinois University at Carbondale



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semi-monthly.*

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Family Economics and Management	90
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Chinese	84
French	85
German	86
Greek	87
Italian	87

Latin	87	Music	114
Portuguese	84	Philosophy	120
Russian	88	Physical Education	
Spanish	88	for Men	121
Forestry	90	Physical Education for	
French	85	Women	123
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Geology	93	Physiology	126
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Registration Calendar

Winter Quarter, 1971

Monday, October 12–Wednesday, December 23

Advance registration period for all graduate students.

Monday, January 4–Thursday, January 14

Late registration period for graduate students. No graduate student will be admitted or readmitted January 4, 5, 6.

Monday, October 5–Friday, December 11

Advance registration period for all undergraduate students. New students should refer to Registration and advisement, beginning on page 1, for further procedural information. All continuing undergraduate students are expected to be registered by December 11.

Wednesday, December 16

Undergraduate students will have their advance registration cancelled if fees are not paid at the Bursar's Office by 4:00 P.M. on this date, unless they have received approval for deferred payment.

Beginning-of-the-Quarter Activities for Undergraduates

The dates listed below from January 4 through January 7 are for undergraduates. Graduate students may register through the Graduate School through the second Thursday of the quarter.

Sunday, January 3

New student orientation starts.

Monday, January 4

Advisement and registration for new and re-entry students. Continuing students who did not advance register or had their registration cancelled for non-payment of fees must wait until Wednesday, January 6, to register. Night classes start (5:45 P.M. or later).

Tuesday, January 5

Day classes start.

Advisement and registration open only for program changes.

Wednesday, January 6

Advisement and registration open for registration only. This is the first day continuing students can register in the Arena. Late fee will be assessed.

Thursday, January 7

Advisement and registration open until noon for registrations and program changes. Late fee will be assessed.

Last day to register or make program changes in which course is added or section is changed. *Registration ends at noon. A student who wants either to register or to add a course after this date must receive approval from the dean of his academic unit.* Exceptions will be made for students through Tuesday, January 12, who have either a class conflict causing them to need to change a section or who are involved with a cancelled class, causing them to make a change. In these instances the student will be processed through registration and given a letter from this office to the instructor allowing him into a class late. A dean's permission will not be necessary for program changes based upon these two reasons.

Monday, January 11

Registration activities return to Woody Hall.

Thursday, January 14

Deadline for payment of fees by students whose fees were deferred. Graduate student registration will be cancelled if fees are not paid by 4:00 P.M.

Friday, January 15

Last day officially to withdraw from school to be eligible for a refund of fees.

Friday, January 29

Last day for undergraduates to officially withdraw from a course without receiving a letter grade.

Graduate students officially dropping a course after this date need not be given an evaluative letter grade.

Last day to change from *credit* to *audit* or vice versa for all students.

Friday, March 5

Last day for making a program change or withdrawing from school except under exceptional circumstances.

Calendar of Events

December

30, Wednesday * American College Test (Residual)

January

9, Saturday * Dental Admission Testing Program
11, Monday * Test of English as a Foreign Language (National)
16, Saturday * Graduate Record Examination
23, Saturday † Graduate English Test
30, Saturday † Computer Programming Test

February

6, Saturday * Admission Test for Graduate Study in Business
6, Saturday † Graduate School Foreign Language Tests
13, Saturday * Law School Admission Test
20, Saturday * American College Test (National)
27, Saturday * Graduate Record Examination

March

22, Monday * Test of English as a Foreign Language (National)

* Pre-registration required. Please contact the Counseling and Testing Center at least four weeks in advance of the test date.

† Pre-registration required. Please contact the Graduate School at least four weeks in advance of the test date.

University Calendar

<i>WINTER, 1971</i>	Quarter Begins	Monday, January 4 *
	Washington's Birthday Holiday	Monday, February 15
	Final Examinations	Saturday–Friday, March 13–19
<i>SPRING, 1971</i>	Quarter Begins	Monday, March 29 *
	Memorial Day Holiday	Monday, May 31
	Final Examinations	Saturday–Friday, June 5–11
	Commencement (Edwardsville)	Friday, June 11
	Commencement (Carbondale)	Saturday, June 12
<i>SUMMER, 1971</i>	Quarter Begins	Monday, June 21 *
	Independence Day Holiday	Monday, July 5
	Final Examinations	Monday–Friday, August 30– September 3
	Commencement (Edwardsville)	Friday, September 3
	Commencement (Carbondale)	Saturday, September 4
<i>FALL, 1971</i>	New Student Days	Sunday–Tuesday, September 19–21
	Quarter Begins	Tuesday, September 21 *
	Thanksgiving Vacation	Tuesday, 10 P.M.–Monday, 8 A.M., November 23–29
	Final Examinations	Saturday–Friday, December 11–17
<i>WINTER, 1972</i>	Quarter Begins	Monday, January 3 *
	Washington's Birthday Holiday	Monday, February 21
	Final Examinations	Saturday–Friday, March 11–17
<i>SPRING, 1972</i>	Quarter Begins	Monday, March 27 *
	Memorial Day Holiday	Monday, May 29
	Final Examinations	Saturday–Friday, June 3–9
	Commencement (Carbondale)	Friday, June 9
	Commencement (Edwardsville)	Saturday, June 10

* Classes begin with the evening classes after 5:30 P.M. on the Carbondale Campus and with the evening classes after 4:30 P.M. on the Edwardsville Campus.

1 / General Information

THIS BULLETIN contains the schedule of classes offered for the winter quarter, 1971, by Southern Illinois University at Carbondale. It also provides information relative to advisement and registration, fees, and allied information.

Admission

Inquiries concerning undergraduate admission should be directed to the Admissions Office; those on the graduate level to the Graduate School. Undergraduate admission applications should be completed at least thirty days in advance of the desired entrance date.

Registration and Advisement

Southern Illinois University at Carbondale uses an academic advisement system whereby each undergraduate academic unit has a chief academic adviser and a number of assistant advisers selected from the teaching faculty. Undergraduate students entering the University for the first time will receive selective dates from the admission process from which they are to select the preferred date on which they will come to the campus to be advised and to advance register. This includes both freshmen and transfer students. They are not to write for appointments nor are they to come to Carbondale expecting to register unless it is the date indicated for them to do so.

Graduate students will initiate advisement with their advisers, and will complete the registration process at the Graduate School, where all registration forms will be completed and retained. Graduate students will not be required to go through the Registration Center. The registration process is handled at a later time, and the student receives a fee statement by mail. Cancellation of graduate student registrations for non-payment of fees occurs on the date indicated in the Registration Calendar. Graduate students may register during the period indicated in the Registration Calendar. No late fee will be assessed during this period. Graduate students who need to make program changes must follow the same procedure as undergraduate students in that these must be personally processed by the graduate students through the Registration Center.

After advisement the student may register for classes. See the Registration Calendar in this bulletin. Ordinarily, registration offices are open from 8:15 to 11:30 A.M. and 1:00 to 4:30 P.M., Monday through Friday, and from 8:30 to 11:30 A.M. on Saturday.

During the registration process the student goes through the Registration Center where the student assigns himself to specific sections of the courses he is to take.

Mere attendance does not constitute registration in a class, nor will attendance in a class for which a student is not registered be a basis for

asking that a program change be approved permitting registration in that class.

New Students

Students entering the University for the first time are permitted to advance register only after they have been admitted to the University as evidenced by their receiving the Certificate of Admission.

New undergraduate students, freshmen and transfer, will be expected to advance register on the same date that they come to the campus for advisement. Dates for students to do so will be selective ones in which the students are asked to come to the campus on specific dates as determined by the University. Students should not expect to be advised and registered on the same date they are admitted nor are they to come to the campus for advisement and registration without an appointment. Appointments for advisement and registration will be mailed from and are to be returned to the Registrar's Office.

New graduate students may register during the registration periods indicated on the registration calendars. Arrangements should be cleared with the Graduate School to do so to assure that the appropriate adviser will be available.

Re-Entering Students

Students who have attended the University at some former time but not during the session immediately prior to the time they plan re-entry are expected to advance register during the periods outlined in the Registration Calendar. After completing readmission procedures (Admissions Office for undergraduate students and Graduate School for graduate students) advisement appointments should be made at the advisement offices of the academic units into which the students are entering and clearance of the registrations should be completed on that same day at the Registration Center.

Current Students, Carbondale

Students currently registered in the University will be continued in their present curricula unless a change of college or major is made. A change of college or major area of concentration is initiated with the student's adviser. Either change should be made at the time of advisement.

Undergraduate students currently registered in the University will schedule appointments with their adviser. Registrations should be processed through the Registration Center as soon after advisement as possible.

Graduate students in a degree program should make appointments with the departmental adviser for program advisement. Unclassified graduate students preparing for a degree program should contact the departmental adviser for pre-advisement. Unclassified graduate students in other categories may report directly to the Graduate School for registration procedure. Unclassified students who are planning to take qualifying courses must report those courses to the Graduate Admissions office *before* registering each quarter.

Current Students, Edwardsville

Undergraduate students attending Southern Illinois University at Edwardsville who plan to attend Southern Illinois University at Carbondale must initiate their registration process by presenting to the Admissions

Office at Carbondale either an official transcript of their University record or a letter of good standing from the registrar at Edwardsville. The reason for reporting to the Admissions Office is to permit the necessary coding changes to be made so that pertinent information about their academic programs, etc., can be up-dated to reflect the change of campus. Graduate students report first to the Graduate School.

Payment of Fees

Undergraduate students receive their fee statements at the time of registration. During the advance registration period students are asked to delay paying their fees in person at the Bursar's Office until the day following registration. This is to permit necessary fee information to reach the Bursar by the time of fee payment. Students will find it easier simply to mail the fee statement along with a check or money order for the proper monetary amount to the Bursar's Office so as to arrive there by the deadline dates which are stated in the Registration Calendar located earlier in this bulletin. If students pay fees in person at the Bursar's Office they receive a Certificate of Registration at that time. When fees are paid by mail the Certificate will be mailed to the address given by the student on the back of his fee statement. Students will receive their printed schedule of classes within one week after the cancellation date. It is important that these forms be carried by the students at all times.

Undergraduate students registering at the start of a quarter must pay fees at the time of registration.

Graduate students receive fee statements by mail and must clear their fees at the Bursar's Office by 4:00 P.M. on January 14.

Fees for a Regular Quarter

The University reserves the right to change fees and to have the change go into effect whenever the proper authorities so determine. Undergraduate students pay the following regular fees:

	Not more than 5 hrs.	More than 5, less than 11	11 or more
Tuition Fee—Illinois Resident	\$39.00	\$78.00	\$117.00
Tuition Fee—Out-of-State Resident	(133.00)	(265.00)	(398.00)
Student Welfare and Recreation			
Building Trust Fund Fee	5.00	10.00	15.00
Book Rental Fee	3.00	6.00	8.00
Student Activity Fee	3.50	7.00	10.50
University Center Fee	5.00	5.00	5.00
Athletic Fund Fee	3.00	6.50	10.00
<i>Total</i> —Illinois Resident	\$58.50	\$112.50	\$165.50
<i>Total</i> —Out-of-State Resident	(152.50)	(299.50)	(446.50)

Students who register for a course for *audit* or for a non-credit course will be assessed fees according to the imputed hours of that course. *Imputed hours* is generally the number of hours the class meets per week.

Graduate students do not rent their textbooks and do not pay the book rental fee. They must purchase their books.

Students having special fee status, such as scholarship holders, faculty, and staff, will pay fees according to their particular status.

The activity fee is prorated according to the number of hours carried.

Health Service benefits vary according to the amount paid. In certain instances graduate assistants, research assistants, graduate fellows, or students on fee code 27 may seek permission from the health service to pay the full activity fee even though they are only part time students. Written consent from the Health Service must be presented at the time of registration so that the student may be properly assessed.

Late Registration

A late registration fee will be charged any undergraduate student registering after the date specified in the Registration Calendar. Graduate students will not be charged a late fee if they register within the period indicated in the Registration Calendar.

Auditing of Courses

Students may register for courses in an *audit* status. They receive no letter grade and no credit for such courses. An auditor's registration must be marked accordingly. They pay the same fees as though they were registering for credit. They are expected to attend regularly and are to determine from the instructor the amount of work expected of them. If auditing students do not attend regularly, the instructor may determine that the students should not have the audited courses placed on their record cards maintained in the Registrar's Office. Students registering for a course for credit may change to an audit status or vice versa only for fully justified reasons and only during the first four weeks of a quarter. Such a change will require the student's academic dean's approval.

Program Changes

Students are officially registered only for those courses appearing on their schedule of classes. Any change therefrom can be made only after fees are paid and must be made through an official program change, which includes the following steps:

1. Initiating the change.
Students report to their advisers for approval and Program Change form completion. Graduate students must also secure approval from the Graduate School. If the change involves only that of changing sections within the same course, this may be done at the Registration Center without the necessity of securing adviser approval.
2. Registration.
Students must take the program change form to the Registration Center after approval by the adviser.

Program changes which involve the adding of a new course to the schedule or the changing of sections must be done by the "last day to add a class" as indicated in the Registration Calendar.

Dropping a Course

A program change must be made in order to drop a course. A student may not drop merely by stopping attendance. The last date for dropping a course by an undergraduate student without receiving a letter grade is the last day of the fourth week of a quarter. Graduate students may not necessarily receive a grade for dropping after the fourth week. (Refer to Registration Calendar.)

Changing Fee Status

Students making program changes which result in their moving from one fee status to another will be assessed additional tuition and fees when appropriate. If the change is to reduce the academic load resulting in a lower tuition and fee status, students may apply for the appropriate tuition and fee refund provided the reduction in program is made officially by a program change during the same period at the start of a quarter in which students withdrawing from the University are eligible for a refund. This is usually during the first ten days. For dates refer to the Registration Calendar.

Withdrawing from School

A student who finds it necessary to withdraw from school while the quarter is in progress must report to the Registrar's Office to initiate official withdrawal action. No withdrawal will be permitted during the last two weeks of a quarter, except under exceptional conditions. A refunding of fees is permitted only if a withdrawal is officially completed by Friday, January 15.

A student who advance registers, including paying of fees, and then finds that he cannot attend school must also officially withdraw from school. He may do this either by reporting to the Registrar's Office in person or by writing to the Dean of Students' Office. This must be done by the end of the first two weeks, if he expects to get a refund.

Cancellation of Registration

An advance registration including the payment of tuition and fees may be considered invalid if the student is declared to be ineligible to register due to scholastic reasons. The same situation may exist due to financial or disciplinary reasons if certified to the Registrar by the Dean of Students.

Personal Data Changes

At the time of registration students are asked to review a Biographic Data Sketch containing personal data. Certain items, if in error, may be corrected at that time. Other items which may require some type of verifying evidence, are changed by reporting to the offices listed below.

1. *Local Address Change*.—Housing Office, Graduate School, Registrar's Office, Registration Center, or VTI Office.
2. *Name Change, Marital Status Change, Date of Birth Change*.—Records section of the Registrar's Office. Verification is required.
3. *Selective Service Data Change or Information*.—Registration Center.
4. *Legal Residence Change* (whether an Illinois or out-of-state resident).—Must be requested by completion of the *Application to be Classified an Illinois Resident* form in the Registrar's Office. Before the change is made the student must have met the regulations governing residency status as established by the Board of Trustees.

2 / Schedule of Classes

Listing of Courses

Courses which students are to take to meet the General Studies requirements are listed in the front part of the Schedule of Classes. These courses are listed by the area which they satisfy and within the area by course number and section number.

Departments in which courses are being offered are listed in alphabetical order. Courses within each department are listed in order by course number and section number.

Course Numbers and Hours

The line containing this information shows the number of the course first, followed by the short title and number of hours of credit. Course numbers are three-digit numbers. In some cases the three digits may be followed by a letter which is also part of the course number.

In a variable-hour course the student decides the number of hours for which he is going to register in consultation with his adviser.

The course numbering system is as follows:

- 000-099 Course not properly in the following categories
- 100-199 For freshmen
- 200-299 For sophomores
- 300-399 For juniors and seniors
- 400-499 For seniors and graduate students
- 500-600 For graduate students only

Prerequisite

The prerequisite entry lists requirements which must be satisfied before a student registers for the course. These prerequisites may be listed in various ways. Usually they are other courses in the same department, indicated by a course number. A prerequisite in another department is indicated by the department's code letters and the number.

Section Number, Time, and Days

The section number is indicated in the first column. The times given indicate the beginning and ending of each class period. Students registering for courses listed as "to be arranged" may obtain times and days from instructor indicated or, if no instructor is listed, from the department chairman offering the course.

Building and Room Number

The following list of building abbreviations will help in the location of classrooms. Buildings are listed alphabetically according to the code used

in the class schedule. Temporary buildings are indicated in the schedule by a four-digit number.

If a building contains more than one classroom, then the number of the room follows the building's code name.

CODE:	BUILDING NAME	CODE:	BUILDING NAME
ABBOTT:	Abbott Hall (T.P.)	PHY SA:	James W. Neckers Building A
AG:	Agriculture Building	PHY SB:	James W. Neckers Building B
ALLYN:	Allyn Building	PHY SC:	James W. Neckers Building C
ALTG:	Altgeld Hall	PIERCE:	Pierce Hall (T.P.)
ARENA:	SIU Arena	PULL:	Pulliam Hall (University School)
BAILEY:	Bailey Hall (T.P.)	PULL I:	Pulliam Hall (Industrial Education Wing)
BOAT:	Boat Dock	PULL P:	Pulliam Hall (Physical Education Wing)
BROWN:	Brown Hall (T.P.)	SHRY:	Shryock Auditorium
CL:	General Classroom Building	STAD:	McAndrew Stadium
COMM:	Communications Building	TECH A:	Technology Building A
FELTS:	Felts Hall (T.P.)	TECH B:	Technology Building B
GYM:	Gymnasium	TECH D:	Technology Building D
HDBALL:	Handball Courts	TENNIS:	Tennis Courts
H EC:	Home Economics Building	U CTR:	University Center
LAWSON:	Lawson Hall	WARREN:	Warren Hall (T.P.)
LAKE:	Lake on the Campus	WHAM:	Wham Education Building
LIB:	Morris Library	WHLR:	Wheeler Hall
LG:	Little Grassy Lake		
LS I:	Life Science Building I		
LS II:	Life Science Building II		
L-APS:	Physical Plant		
OBF:	Old Baptist Foundation		
PARK:	Parkinson Building		

Temporary Buildings

CODE	LOCATION	CODE	LOCATION
0403	1009 S. Forest	0481	910 S. Elizabeth
0412	907 S. Forest	0483	1002 S. Elizabeth
0415	807 S. Forest	0485	1006 S. Elizabeth
0429	1009 S. Elizabeth	0487	1010 S. Elizabeth
0431	1007 S. Elizabeth	0551	CESL
0432	1005 S. Elizabeth	0552	CESL
0436	908 S. Forest	0685	506 S. Graham
0437	904 S. Forest	0686	511 S. Graham
0438	900 S. Forest	0701	801 S. Washington
0442	903 S. Elizabeth	0720	Corner of Washington and Park St.
0448	814 S. Forest	0721	East of 0720 on Park St.
0451	810 S. Forest	0725	207 E. Pearl
0452	808 S. Forest	0742	204 E. Park
0453	806 S. Forest	0744	208 E. Park
0461	811 S. Elizabeth	0809	South of President's Office
0465	804 S. Elizabeth		
0831	Farm Machine Shop—between the James W. Neckers Building and the Forestry Research Laboratory		
0832	Journalism—next to 0831 (above)		
0833	Journalism Annex—next to 0832 (above)		
0834	Cinema and Photography—next to 0833 (above)		
0842	Botany—Zoology Laboratory for General Studies—west of the Agriculture Building's north wing		
0843	Botany—Zoology Laboratory—next to 0842 (above)		
0857	Department of Design—east of the Communications Building on Lincoln Drive		

- 0861 General Classrooms—southeast of the Communications Building on Lincoln Drive
- 0862 General Classrooms—next to 0861 (above)
- 0864 Zoology Annex 2—northwest of the Agriculture Building’s north wing
- 0865 Zoology Annex—next to 0864 (above)
- 0871 General Classrooms—southeast of the Communications Building on Lincoln Drive
- 0875 General Classrooms—next to 0871
- 0889 901 West Chautauqua

Explanation of Entries

The entry for each course is arranged as follows:

First Line: The course’s identification number is followed by the short title and the number of quarter hours of credit.

Second Line: The prerequisite (if applicable).

Section-Number Lines: The first column lists section numbers for courses offered. Following each section number are the time the class begins and the time it ends. The days on which the class meets, the place where it meets, and the instructor’s last name complete the entry.

SCHEDULE OF GENERAL STUDIES COURSES

COURSE & SECTION NO.	TITLE & HOURS	DAYS	BLDG. & RM.	INSTRUCTOR
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General Studies Area A—Man's Physical Environment and Biological Inheritance (GSA)

101A	INTRO-PHYS SCIENCE			04.0 CR			
1	08.00	M W F	PARC	124	JOHNSON ROBERT E		
	08.00-09.50	T	PARC	317			
2	08.00	M W F	PARC	124			
	10.00-11.50	T	PARC	317			
3	08.00	M W F	PARC	124			
	10.00-11.50	M	PARC	317			
4	08.00	M W F	PARC	124			
	01.00-02.50	T	PARC	317			
5	08.00	M W F	PARC	124			
	01.00-02.50	W	PARC	317			
6	08.00	M W F	PARC	124			
	03.00-04.50	W	PARC	317			
7	08.00	M W F	PARC	124			
	10.00-11.50	TH	PARC	317			
8	10.00	MT THF	PARC	124			
9	12.00	TWTHF	PARC	124			
10	01.00	TW F	PARC	124			
	01.00-02.50	M	PARC	317			
11	01.00	TW F	PARC	124			
	08.00-09.50	F	PARC	317			
12	01.00	TW F	PARC	124			
	03.00-04.50	T	PARC	317			
13	01.00	TW F	PARC	124			
	08.00-09.50	TH	PARC	317			
14	01.00	TW F	PARC	124			
	01.00-02.50	TH	PARC	317			
15	01.00	TW F	PARC	124			
	08.00-09.50	TH	PARC	317			
16	01.00	TW F	PARC	124			
	03.00-04.50	TH	PARC	317			
101B	INTRO-PHYS SCIENCE			04.0 CR			
1	09.00	TWTHF	PHY SB	240	NICKELL WM E HICKEY RONNIE E		
	09.00	M	PHY SC	116			
2	10.00	TWTH S	PHY SB	240			
	10.00	M	PHY SC	218			
3	02.00	MTW F	PHY SB	240			
	02.00	TH	PHY SC	118			
4	07.35-09.00 PM	T TH	PHY SB	240			
	06.00 PM	M	PHY SA	156			
102A	SPACE SCIENCE			04.0 CR			
1	02.00	MTWTH	PARC	121		SANDERS	
2	12.00-12.50	M WTHF	LAWSON	121			
105B	MOL BASIS-MAT + LIFE			04.0 CR			
1	08.00	M W F	PHY SB	440		JOHNSON ROBERT E	
	08.00-09.50	T	PHY SC	106			
	08.00-09.50	TH	PHY SC	218			
2	08.00	M W F	PHY SB	440			
	08.00-09.50	T	PHY SC	108			
	08.00-09.50	TH	PHY SC	218			
3	08.00	M W F	PHY SB	440			
	08.00-09.50	TH	PHY SC	106			
	08.00-09.50	T	PHY SC	218			
4	08.00	M W F	PHY SB	440			
	08.00-09.50	TH	PHY SC	108			
	08.00-09.50	T	PHY SC	218			
110A	EARTH ENVIRONMENT			04.0 CR			
1	10.00	M W F	LAWSON	171	BERTONI LOUIS		
	12.00-01.50	M	PARC	213			
PRESIDENTS SCHOL OR CONSENT (SECT.1)							

2	10.00	M W F	LAWSON	171	BERTONI LOUIS
	04.00-05.50	M	PARK	213	
3	10.00	M W F	LAWSON	171	BERTONI LOUIS
	10.00-11.50	T	PARK	213	
4	10.00	M W F	LAWSON	171	BERTONI LOUIS
	02.00-03.50	T	PARK	213	
5	10.00	M W F	LAWSON	171	BERTONI LOUIS
	06.00-07.50 PM	T	PARK	213	
6	10.00	M W F	LAWSON	171	BERTONI LOUIS
	12.00-01.50	W	PARK	213	
7	10.00	M W F	LAWSON	171	BERTONI LOUIS
	04.00-05.50	W	PARK	213	
8	10.00	M W F	LAWSON	171	BERTONI LOUIS
	08.00-09.50	TH	PARK	213	
9	10.00	M W F	LAWSON	171	BERTONI LOUIS
	12.00-01.50	TH	PARK	213	
10	11.00	M W F	LAWSON	171	BERTONI LOUIS
	02.00-03.50	M	PARK	213	
11	11.00	M W F	LAWSON	171	BERTONI LOUIS
	08.00-09.50	T	PARK	213	
12	11.00	M W F	LAWSON	171	BERTONI LOUIS
	12.00-01.50	T	PARK	213	
13	11.00	M W F	LAWSON	171	BERTONI LOUIS
	04.00-05.50	T	PARK	213	
14	11.00	M W F	LAWSON	171	BERTONI LOUIS
	08.00-09.50	W	PARK	213	
15	11.00	M W F	LAWSON	171	BERTONI LOUIS
	02.00-03.50	W	PARK	213	
16	11.00	M W F	LAWSON	171	BERTONI LOUIS
	06.00-07.50 PM	W	PARK	213	
17	11.00	M W F	LAWSON	171	BERTONI LOUIS
	10.00-11.50	TH	PARK	213	
18	11.00	M W F	LAWSON	171	BERTONI LOUIS
	02.00-03.50	TH	PARK	213	
19	03.00	M W F	LAWSON	171	JONES DAVID L
	08.00-09.50	M	PARK	213	
20	03.00	M W F	LAWSON	171	JONES DAVID L
	10.00-11.50	M	PARK	213	
21	03.00	M W F	LAWSON	171	JONES DAVID L
	06.00-07.50 PM	M	PARK	213	
22	03.00	M W F	LAWSON	171	JONES DAVID L
	10.00-11.50	W	PARK	213	
23	03.00	M W F	LAWSON	171	JONES DAVID L
	04.00-05.50	TH	PARK	213	
24	03.00	M W F	LAWSON	171	JONES DAVID L
	06.00-07.50 PM	TH	PARK	213	
25	03.00	M W F	LAWSON	171	JONES DAVID L
	03.00-09.50	F	PARK	213	
26	03.00	M W F	LAWSON	171	JONES DAVID L
	10.00-11.50	F	PARK	213	
27	03.00	M W F	LAWSON	171	JONES DAVID L
	12.00-01.50	F	PARK	213	
1108	EARTH ENVIRONMENT			04.0 CR	
1	12.00	T THF	LAWSON	151	HARRIS STANLEY E JR
	LAB TO BE ARRANGED				
2	01.00	T THF	LAWSON	151	HARRIS STANLEY E JR
	LAB TO BE ARRANGED				
3	06.00-07.25 PM	T TH	LAWSON	151	
	LAB TO BE ARRANGED				
2014	INTRODUCT BIOLOGY			04.0 CR	
	PREREQ GSA FIRST LEVEL OR CHEM 110 OR				
	111				
1	09.00	M W F	LS I	133	
	08.00-09.50	T	0842	101	
2	09.00	M W F	LS I	133	
	04.00-05.50	T	0842	101	
3	09.00	M W F	LS I	133	
	06.00-07.50 PM	T	0842	101	
4	09.00	M W F	LS I	133	
	10.00-11.50	W	0842	101	

GSA

5	09.00	M W F	LS I	133
	08.00-09.50	TH	0842	101
6	09.00	M W F	LS I	133
	08.00-09.50	TH	0842	108
7	09.00	M W F	LS I	133
	02.00-03.50	TH	0842	101
8	09.00	M W F	LS I	133
	04.00-05.50	TH	0842	101
9	09.00	M W F	LS I	133
	10.00-11.50	F	0842	101
10	09.00	M W F	LS I	133
	10.00-11.50	F	0842	108
11	01.00	M W F	LS I	133
	08.00-09.50	T	0842	108
12	01.00	M W F	LS I	133
	10.00-11.50	T	0842	108
13	01.00	M W F	LS I	133
	02.00-03.50	T	0842	108
14	01.00	M W F	LS I	133
	04.00-05.50	T	0842	108
15	01.00	M W F	LS I	133
	02.00-03.50	W	0842	101
16	01.00	M W F	LS I	133
	02.00-03.50	W	0842	108
17	01.00	M W F	LS I	133
	06.00-07.50 PM	W	0842	108
18	01.00	M W F	LS I	133
	10.00-11.50	TH	0842	108
19	01.00	M W F	LS I	133
	12.00-01.50	TH	0842	108
20	01.00	M W F	LS I	133
	02.00-03.50	F	0842	108

GSA 201A - There will be an invitational "Honors" laboratory section formed the second week. An interested A or B student should keep 4:00-5:50 Thursday clear.

2013	INTRODUCT BIOLOGY	04.0 CR
	PREREQ GSA 201A	
1	09.00	T TH LS I 133
	08.00-09.50	M F 0843 102
2	09.00	T TH LS I 133
	10.00-11.50	M F 0843 102
3	09.00	T TH LS I 133
	12.00-01.50	M F 0843 102
4	09.00	T TH LS I 133
	04.00-05.50	M W 0843 102
5	09.00	T TH LS I 133
	06.00-07.50 PM	M W 0843 102
6	09.00	T TH LS I 133
	10.00-11.50	T TH 0843 102
7	09.00	T TH LS I 133
	12.00-01.50	T TH 0843 102
8	09.00	T TH LS I 133
	02.00-03.50	T TH 0843 102
9	09.00	T TH LS I 133
	09.00-10.50	W S 0843 102
10	01.00	T TH LS I 133
	08.00-09.50	M F 0843 104
11	01.00	T TH LS I 133
	12.00-01.50	M F 0843 104
12	01.00	T TH LS I 133
	02.00-03.50	M F 0843 104
13	01.00	T TH LS I 133
	04.00-05.50	M W 0843 104
14	01.00	T TH LS I 133
	08.00-09.50	T TH 0843 104
15	01.00	T TH LS I 133
	02.00-03.50	T TH 0843 104
16	01.00	T TH LS I 133
	06.00-07.50 PM	T TH 0843 104

17	01.00	T TH	LS I	133
	09.00-10.50	W S	0843	104
18	03.00	T TH	LS I	133
	02.00-03.50	M F	0843	102
19	03.00	T TH	LS I	133
	06.00-07.50 PM	M W	0843	104
20	03.00	T TH	LS I	133
	08.00-09.50	T TH	0843	102
21	03.00	T TH	LS I	133
	10.00-11.50	T TH	0843	104
22	03.00	T TH	LS I	133
	12.00-01.50	T TH	0843	104
23	03.00	T TH	LS I	133
	04.00-05.50	T TH	0843	102
24	03.00	T TH	LS I	133
	06.00-07.50 PM	T TH	0843	102

GSA 201B - There will be an invitational "Honors" laboratory section formed the second week. An interested A or B student should keep 4:00-5:50 Tuesday and Thursday clear.

210A INTRO ENVIRON BIOL 04.0 CR

PREREQ		GSA 110 CR		CHEM 115			
1	09.00	M W F	LAWSON	151	PETERSEN	BRUCE	W
	04.00	M	LS I	308			
2	09.00	M W F	LAWSON	151	PETERSEN	BRUCE	W
	02.00	T	LS I	308			
3	09.00	M W F	LAWSON	151	PETERSEN	BRUCE	W
	08.00	M	LS I	308			
4	09.00	M W F	LAWSON	151	PETERSEN	BRUCE	W
	09.00	T	LS I	308			
5	09.00	M W F	LAWSON	151	PETERSEN	BRUCE	W
	10.00	M	LS I	308			
6	09.00	M W F	LAWSON	151	PETERSEN	BRUCE	W
	05.45-06.30	T	LS I	308			
7	09.00	M W F	LAWSON	151	PETERSEN	BRUCE	W
	03.00	M	LS I	308			
8	09.00	M W F	LAWSON	151	PETERSEN	BRUCE	W
	04.00	T	LS I	308			
9	09.00	M W F	LAWSON	151	PETERSEN	BRUCE	W
	12.00	M	LS I	308			
10	09.00	M W F	LAWSON	151	PETERSEN	BRUCE	W
	12.00	T	LS I	308			
11	09.00	M W F	LAWSON	151	PETERSEN	BRUCE	W
	07.30-08.20 PM	M	LS I	308			
12	09.00	M W F	LAWSON	151	PETERSEN	BRUCE	W
	08.00	S	LS I	308			
13	01.00	M W F	LAWSON	161	PETERSEN		
	11.00	F	LS I	308			
14	01.00	M W F	LAWSON	161	PETERSEN		
	08.00	TH	LS I	308			
15	01.00	M W F	LAWSON	161	PETERSEN		
	09.00	W	LS I	308			
16	01.00	M W F	LAWSON	161	PETERSEN		
	09.00	TH	LS I	308			
17	01.00	M W F	LAWSON	161	PETERSEN		
	03.00	W	LS I	308			
18	01.00	M W F	LAWSON	161	PETERSEN		
	03.00	TH	LS I	308			
19	01.00	M W F	LAWSON	161	PETERSEN		
	02.00	W	LS I	308			
20	01.00	M W F	LAWSON	161	PETERSEN		
	11.00	TH	LS I	308			
21	01.00	M W F	LAWSON	161	PETERSEN		
	11.00	W	LS I	308			
22	01.00	M W F	LAWSON	161	PETERSEN		
	12.00	TH	LS I	308			
23	01.00	M W F	LAWSON	161	PETERSEN		
	05.45-07.25	TH	LS I	308			
24	01.00	M W F	LAWSON	161	PETERSEN		
	09.00	S	LS I	308			

2109 INTRO ENVIRON BIOL

04.0 CR

PREREQ GSA 110 OR CHEM 115

1	09.00	W F	LAWSON	151
	09.00	V	PARC	124
	05.00	T	LS I	308
2	09.00	W F	LAWSON	151
	11.00	M	LS I	308
	09.00	M	PARC	124
3	09.00	M	PARC	124
	01.00	M	LS I	308
	09.00	W F	LAWSON	151
4	09.00	W F	LAWSON	151
	02.00	M	LS I	308
	09.00	M	PARC	124
5	09.00	W F	LAWSON	151
	05.45-06.35	M	LS I	308
	09.00	M	PARC	124
6	09.00	W F	LAWSON	151
	08.00	T	LS I	308
	09.00	M	PARC	124
7	09.00	W F	LAWSON	151
	11.00	T	LS I	308
	09.00	M	PARC	124
8	09.00	W F	LAWSON	151
	01.00	T	LS I	308
	09.00	M	PARC	124
9	09.00	W F	LAWSON	151
	03.00	T	LS I	308
	09.00	M	PARC	124
10	09.00	W F	LAWSON	151
	07.30-08.20 PM	T	LS I	308
	09.00	M	PARC	124
11	03.00	M W F	LAWSON	141
	10.00	T	LS I	308
12	03.00	M W F	LAWSON	141
	10.00	S	LS I	308
13	03.00	M W F	LAWSON	141
	08.00	W	LS I	308
14	03.00	M W F	LAWSON	141
	04.00	W	LS I	308
15	03.00	M W F	LAWSON	141
	10.00	TH	LS I	308
16	03.00	M W F	LAWSON	141
	12.00	W	LS I	308
17	03.00	M W F	LAWSON	141
	01.00	W	LS I	308
18	03.00	M W F	LAWSON	141
	07.30-08.20 PM	TH	LS I	308
19	03.00	M W F	LAWSON	141
	02.00	TH	LS I	308
20	03.00	M W F	LAWSON	141
	04.00	TH	LS I	308
21	03.00	M W F	LAWSON	141
	05.45-07.25	W	LS I	308
22	03.00	M W F	LAWSON	141
	02.00	F	LS I	308
23	06.00-07.25 PM	T TH	LAWSON	141
	08.00	F	LS I	308
24	06.00-07.25 PM	T TH	LAWSON	141
	11.00	S	LS I	308
25	06.00-07.25 PM	T TH	LAWSON	141
	09.00	F	LS I	308
26	06.00-07.25 PM	T TH	LAWSON	141
	10.00	F	LS I	308
27	06.00-07.25 PM	T TH	LAWSON	141
	12.00	F	LS I	308
28	06.00-07.25 PM	T TH	LAWSON	141
	01.00	F	LS I	308
29	06.00-07.25 PM	T TH	LAWSON	141
	03.00	F	LS I	308

30	06.00-07.25 PM	T TH	LAWSON	141
	04.00	F	LS I	308
31	06.00-07.25 PM	T TH	LAWSON	141
	10.00	W	LS I	308
32	06.00-07.25 PM	T TH	LAWSON	141
	07.30-08.20 PM	W	LS I	308
33	06.00-07.25 PM	T TH	LAWSON	141
	05.00	M	LS I	308
34	06.00-07.25 PM	T TH	LAWSON	141
	01.00	TH	LS I	308
299A	SURVIVAL OF MAN			04.0 CR

NOTE: 299A MAY BE TAKEN FOR CREDIT IN GENERAL STUDIES
AREA A, B, OR C.

1	09.00	M W S	LAWSON	171
	08.00	T	PARC	301
2	09.00	M W S	LAWSON	171
	08.00	TH	PARC	301
3	09.00	M W S	LAWSON	171
	10.00	T	PARC	301
4	09.00	M W S	LAWSON	171
	03.00	TH	PARC	301
5	09.00	M W S	LAWSON	171
	09.00	T	AG	148
6	09.00	M W S	LAWSON	171
	12.00	TH	AG	148
7	09.00	M W S	LAWSON	171
	12.00	TH	AG	148
8	09.00	M W S	LAWSON	171
	02.00	T	AG	148
9	09.00	M W S	LAWSON	171
	04.00	TH	LS II	130
10	09.00	M W S	LAWSON	171
	04.00	TH	LS II	130
11	09.00	M W S	LAWSON	171
	04.00	TH	LS II	130
12	09.00	M W S	LAWSON	171
	04.00	TH	LS II	130
299B	SURVIVAL OF MAN			04.0 CR

NOTE: 299B MAY BE TAKEN FOR CREDIT IN GENERAL STUDIES
AREA A, B, OR C.

1	09.00	T TH	LAWSON	171
	09.00	S	LAWSON	161
	11.00	M	LS II	130
2	09.00	T TH	LAWSON	171
	09.00	S	LAWSON	161
	12.00	W	LS II	130
3	09.00	T TH	LAWSON	171
	09.00	S	LAWSON	161
	02.00	W	LS II	130
4	09.00	T TH	LAWSON	171
	09.00	S	LAWSON	161
	03.00	M	LS II	130
5	09.00	T TH	LAWSON	171
	09.00	S	LAWSON	161
	09.00	W	AG	170
6	09.00	T TH	LAWSON	171
	09.00	S	LAWSON	161
	01.00	W	AG	220
7	09.00	T TH	LAWSON	171
	09.00	S	LAWSON	161
	10.00	M	PARC	301
8	09.00	T TH	LAWSON	171
	09.00	S	LAWSON	161
	10.00	W	PARC	301
9	09.00	T TH	LAWSON	171
	09.00	S	LAWSON	161
	11.00	M	PARC	301
10	09.00	T TH	LAWSON	171

	09.00		S	LAWSON	161	
	11.00		W	PARK	301	
11	09.00		T TH	LAWSON	171	
	09.00		S	LAWSON	161	
	02.00		M	TECH A	222	
12	09.00		T TH	LAWSON	171	
	09.00		S	LAWSON	161	
	02.00		W	TECH A	222	
301	PRIN OF PHYSIOLOGY			04.0	CR	
1	10.00		M W F	LS I	133	GASS GEORGE HIRAM
	03.00-04.50		M	LS I	113	
2	10.00		M W F	LS I	133	GASS GEORGE HIRAM
	11.00-12.50		T	LS I	113	
3	10.00		M W F	LS I	133	GASS GEORGE HIRAM
	11.00-12.50		TH	LS I	113	
4	10.00		M W F	LS I	133	GASS GEORGE HIRAM
	03.00-04.50		F	LS I	113	
5	10.00		M W F	LS I	133	GASS GEORGE HIRAM
	12.00-01.50		M	LS I	113	
6	10.00		M W F	LS I	133	GASS GEORGE HIRAM
	05.45-07.25		T	LS I	113	
7	10.00		M W F	LS I	133	GASS GEORGE HIRAM
	09.00-10.50		W	LS I	113	
8	10.00		M W F	LS I	133	GASS GEORGE HIRAM
	02.00-03.50		W	LS I	113	
9	01.00		M W F	TECH A	111	STRACK LOUIS E
	05.45-07.25		TH	LS I	113	STRNAD ROBERT JR
10	01.00		M W F	TECH A	111	STRACK LOUIS E
	02.00-03.50		T	LS I	113	
11	01.00		M W F	TECH A	111	STRACK LOUIS E
	02.00-03.50		TH	LS I	113	
12	01.00		M W F	TECH A	111	STRACK LOUIS E
	12.00-01.50		F	LS I	113	
13	01.00		M W F	TECH A	111	STRACK LOUIS E
	08.00-09.50		T	LS I	113	
14	01.00		M W F	TECH A	111	STRACK LOUIS E
	08.00-09.50		TH	LS I	113	
15	01.00		M W F	TECH A	111	STRACK LOUIS E
	05.45-07.25		W	LS I	113	
16	01.00		M W F	TECH A	111	STRACK LOUIS E
	08.00-09.50		S	LS I	113	
302	PSYC-PHSL FOUN BEH			03.0	CR	
	PREREQ GSA 201B AND C					
1	11.00		T	PHY SC	113	IRWIN
	11.00		TH	PHY SC	116	
	01.00-02.50		TH	LS I	117	
2	11.00		T	PHY SC	118	IRWIN
	09.00-09.50		S	LS I	113	
	08.00-09.50		TH	LS I	113	
312	CONS OF NATURAL RES			03.0	CR	
1	08.00		M W F	LAWSON	141	
314	MANS GEN HERITAGE			03.0	CR	
1	12.00		M W F	LAWSON	141	ENGLERT DUWAYNE C
315	HISTORY OF BIOLOGY			03.0	CR	
1	02.00		M W	LAWSON	141	GALBREATH
	02.00		F	LS I	133	
321	INTRO PALEONTOLOGY			03.0	CR	
1	10.00		W F	PARK	308	FRAUNFELTER GEORGE H
	03.00-04.50		M	PARK	107	
2	10.00		W F	PARK	308	FRAUNFELTER GEORGE H
	06.00-07.50 PM		M	PARK	107	
3	10.00		W F	PARK	308	FRAUNFELTER GEORGE H
	08.00-09.50		M	PARK	107	
4	11.00		T TH	PARK	204	FRAUNFELTER GEORGE H
	08.00-09.50		M	PARK	107	
5	11.00		T TH	PARK	204	FRAUNFELTER GEORGE H
	10.00-11.50		M	PARK	107	
6	11.00		T TH	PARK	204	FRAUNFELTER GEORGE H
	01.00-02.50		M	PARK	107	
322	INTR TO ROCKS + MIN			03.0	CR	

1	09.00	M W	PARK	204	BELL FRANK J
	08.00-09.50	TH	PARK	112	
2	09.00	M W	PARK	204	BELL FRANK J
	10.00-11.50	TH	PARK	112	
3	09.00	M W	PARK	204	BELL FRANK J
	12.00-01.50	TH	PARK	112	
4	03.00	T TH	PARK	204	BELL FRANK J
	04.00-05.50	TH	PARK	112	
5	03.00	T TH	PARK	204	BELL FRANK J
	06.00-07.50 PM	TH	PARK	112	
330	WEATHER		03.0 CR		
1	03.00	T TH	LAWSON	171	JONES DAVID L
	12.00	F	AG	116	
2	03.00	T TH	LAWSON	171	JONES DAVID L
	12.00	F	AG	148	
3	03.00	T TH	LAWSON	171	JONES DAVID L
	12.00	F	AG	144	
4	03.00	T TH	LAWSON	171	JONES DAVID L
	01.00	F	AG	170	
5	03.00	T TH	LAWSON	171	JONES DAVID L
	01.00	F	AG	224	
6	03.00	T TH	LAWSON	171	JONES DAVID L
	01.00	F	AG	144	
7	03.00	T TH	LAWSON	171	JONES DAVID L
	02.00	F	AG	188	
8	03.00	T TH	LAWSON	171	JONES DAVID L
	02.00	F	AG	144	
9	03.00	T TH	LAWSON	171	JONES DAVID L
	02.00	F	AG	150	
10	03.00	T TH	LAWSON	171	JONES DAVID L
	03.00	F	AG	214	
11	03.00	T TH	LAWSON	171	JONES DAVID L
	03.00	F	AG	144	
12	03.00	T TH	LAWSON	171	JONES DAVID L
	03.00	F	AG	148	
331	CLIMATE		03.0 CR		
1	10.00	T TH	LAWSON	171	SHARPE DAVID M
	08.00	F	AG	148	
2	10.00	T TH	LAWSON	171	SHARPE DAVID M
	08.00	F	AG	150	
3	10.00	T TH	LAWSON	171	SHARPE DAVID M
	08.00	F	AG	144	
4	10.00	T TH	LAWSON	171	SHARPE DAVID M
	09.00	F	ARENA	119	
5	10.00	T TH	LAWSON	171	SHARPE DAVID M
	09.00	F	AG	188	
6	10.00	T TH	LAWSON	171	SHARPE DAVID M
	09.00	F	AG	144	
7	10.00	T TH	LAWSON	171	SHARPE DAVID M
	10.00	F	0720	118	
8	10.00	T TH	LAWSON	171	SHARPE DAVID M
	10.00	F	AG	148	
9	10.00	T TH	LAWSON	171	SHARPE DAVID M
	10.00	F	AG	144	
10	10.00	T TH	TECH A	171	SHARPE DAVID M
	11.00	F	AG	166	
11	10.00	T TH	LAWSON	171	SHARPE DAVID M
	11.00	F	AG	144	
12	10.00	T TH	LAWSON	171	SHARPE DAVID M
	11.00	F	AG	148	
335B	ENVIRON POLLUTION		03.0 CR		
	PREREQ JR STANDING				
1	09.00	MT TH	LAWSON	131	VERDUIN
2	12.00	MT TH	LAWSON	131	VERDUIN
336	NUTRITIONAL ECOLOGY		03.0 CR		
1	01.00	M W F	H EC	101	KONISKI
340	ECOLOGY		03.0 CR		
1	11.00	M W F	WHAM	105	ANDERSON ROGER
2	02.00	M W F	WHAM	105	ANDERSON
345	ECONOMIC BOTANY		03.0 CR		
1	09.00	M W F	LAWSON	231	PORTZ HERBERT L

2	03.00	M W F	LAWSON	121	PORT7 HERBERT L
346	MEAT IN MANS WORLD			03.0 CR	
	PREREQ	SATISFY REQ IN GSA 200 OR JR S			
	TANDING				
1	09.00	M W F	AG	102	
358A	ANAL OF PHYS SYSTEM			03.0 CR	
	PREREQ	1ST LEVEL GSA + MATH 111A+B			
1	01.00	T TH	TECH A	111	
	06.00-07.50 PM	TH	TECH D	122	
2	01.00	T TH	TECH A	111	
	06.00-07.50 PM	T	TECH D	122	
3	01.00	T TH	TECH A	111	
	08.00-09.50	T	TECH D	122	
4	01.00	T TH	TECH A	111	
	08.00-09.50	TH	TECH D	122	
358B	ANAL OF PHYS SYSTEM			03.0 CR	
	PREREQ	GSA 358A			
1	04.00	T TH	TECH A	111	
	06.00-07.50 PM	M	TECH D	122	
2	04.00	T TH	TECH A	111	
	06.00-07.50 PM	W	TECH D	122	
3	04.00	T TH	TECH A	111	
	06.00-07.25 PM	T	TECH D	122	
4	04.00	T TH	TECH A	111	
	06.00-07.50 PM	TH	TECH D	122	
361	ACOUSTICS OF MUSIC			03.0 CR	
1	12.00	M W F	LAWSON	161	GORDON

General Studies Area B—Man's Social Inheritance and Social Responsibilities (GSB)

100A	WESTERN TRADITION			04.0 CR	
1	11.00	T THF	H EC	140B	SHELBY
	08.00	T	0720	108	
2	11.00	T THF	H EC	140B	SHELBY
	12.00	M	0720	107	
3	11.00	T THF	H EC	140B	SHELBY
	01.00	W	0861	101	
4	11.00	T THF	H EC	140B	SHELBY
	02.00	F	0720	116	
5	11.00	T THF	H EC	140B	SHELBY
	03.00	W	0720	107	
6	11.00	T THF	H EC	140B	SHELBY
	04.00	M	0720	114	
7	11.00	T THF	H EC	140B	SHELBY
	09.00	T	WHLR	107	
8	11.00	T THF	H EC	140B	SHELBY
	10.00	M	COMM	1020	
9	02.00	T TH	LAWSON	151	BERBERICH
	11.00	T	0862	102	
	02.00	F	LAWSON	171	
10	02.00	T TH	LAWSON	151	BERBERICH
	02.00	F	LAWSON	171	
	06.00	PM M	0720	114	
11	02.00	T TH	LAWSON	151	BERBERICH
	10.00	T	0720	107	
	02.00	F	LAWSON	171	
12	02.00	T TH	LAWSON	151	BERBERICH
	02.00	F	LAWSON	171	
	11.00	TH	WHAM	329	
13	02.00	T TH	LAWSON	151	BERBERICH CHARLES
	02.00	F	LAWSON	171	
	10.00	W	0720	114	
14	02.00	T TH	LAWSON	151	BERBERICH CHARLES
	02.00	F	LAWSON	171	
	11.00	M	WHAM	312	
15	02.00	T TH	LAWSON	151	BERBERICH CHARLES
	02.00	F	LAWSON	171	
	12.00	W	0720	107	

16	02.00		T TH	LAWSON	151	BERBERICH CHARLES
	02.00		F	LAWSON	171	
	01.00		F	PARK	111	
17	02.00		T TH	LAWSON	151	BERBERICH CHARLES
	02.00		F	LAWSON	171	
	02.00		M	TECH A	310	
18	02.00		T TH	LAWSON	151	BERBERICH CHARLES
	02.00		F	LAWSON	171	
	03.00		F	0720	108	
19	02.00		T TH	LAWSON	151	BERBERICH CHARLES
	02.00		F	LAWSON	171	
	04.00		W	0720	106	
20	02.00		T TH	LAWSON	151	BERBERICH CHARLES
	02.00		F	LAWSON	171	
	08.00		T	0720	101	
1008	WESTERN TRADITION			04.0	CR	
	PREREQ	100A				
1	08.00		M W F	LAWSON	151	MCFARLIN
	11.00		F	0720	118	
2	08.00		M W F	LAWSON	151	MCFARLIN
	12.00		M	0875	101	
3	08.00		M W F	LAWSON	151	MCFARLIN
	01.00		W	GYM	203	
4	08.00		M W F	LAWSON	151	MCFARLIN
	02.00		F	0720	108	
5	08.00		M W F	LAWSON	151	MCFARLIN
	03.00		M	0862	102	
6	08.00		M W F	LAWSON	151	MCFARLIN
	04.00		W	0862	102	
7	08.00		M W F	LAWSON	151	MCFARLIN
	06.00	PM	W	0720	106	
8	08.00		M W F	LAWSON	151	MCFARLIN
	08.00		TH	H EC	104	
9	08.00		M W F	LAWSON	151	MCFARLIN
	09.00		T	WHAM	208	
10	08.00		M W F	LAWSON	151	MCFARLIN
	10.00		F	WHAM	303	
11	08.00		M W F	LAWSON	151	MCFARLIN
	06.00	PM	TH	0720	108	
12	08.00		M W F	LAWSON	151	MCFARLIN
	11.00		W	WHAM	301B	
13	10.00		MT TH	H EC	140B	DUTSON
	08.00		T	0720	106	
14	10.00		MT TH	H EC	140B	DUTSON
	09.00		F	TECH A	310	
15	10.00		MT TH	H EC	140B	DUTSON
	01.00		T	0720	106	
16	10.00		MT TH	H EC	140B	DUTSON
	02.00		TH	PARK	204	
17	10.00		MT TH	H EC	140B	DUTSON
	03.00		W	0721	102	
18	10.00		MT TH	H EC	140B	DUTSON
	04.00		T	0720	116	
19	10.00		MT TH	H EC	140B	DUTSON
	06.00	PM	T	0720	107	
20	10.00		MT TH	H EC	140B	DUTSON
	10.00		W	0720	105	
21	12.00		T TH	LAWSON	161	ZUCKER
	12.00		F	WHAM	105	
	11.00		M	LS II	250	
22	12.00		T TH	LAWSON	161	ZUCKER
	12.00		F	WHAM	105	
	12.00		W	0720	104	
23	12.00		T TH	LAWSON	161	ZUCKER
	12.00		F	WHAM	105	
	09.00		TH	WHLR	214	
24	12.00		T TH	LAWSON	161	ZUCKER
	12.00		F	WHAM	105	
	02.00		T	0720	108	
25	12.00		T TH	LAWSON	161	ZUCKER

	12.00		F	WHAM	105	
	08.00	M		WHLR	203	
26	12.00		T TH	LAWSON	161	ZUCKER
	12.00		F	WHAM	105	
	09.00		T	0720	105	
27	12.00		T TH	LAWSON	161	ZUCKER
	12.00		F	WHAM	105	
	10.00		TH	0720	103	
28	12.00		T TH	LAWSON	161	ZUCKER
	12.00		F	WHAM	105	
	11.00		W	0720	101	
29	12.00		T TH	LAWSON	161	ZUCKER
	12.00		F	WHAM	105	
	03.00		TH	0862	102	
30	12.00		T TH	LAWSON	161	ZUCKER
	12.00		F	WHAM	105	
	04.00		TH	0720	116	
31	12.00		T TH	LAWSON	161	ZUCKER
	12.00		F	WHAM	105	
	06.00	PM	TH	0720	102	
32	12.00		T TH	LAWSON	161	ZUCKER
	12.00		F	WHAM	105	
	09.00		T	WHLR	214	
33	06.00-07.25	PM	M W	LAWSON	161	BARTON
	01.00		W	0720	108	
34	06.00-07.25	PM	M W	LAWSON	161	BARTON
	03.00		M	0720	109	
SECT 34-HONORS SECTION						
35	06.00-07.25	PM	M W	LAWSON	161	BARTON
	07.30-08.25	PM	T	0720	107	
36	06.00-07.25	PM	M W	LAWSON	161	BARTON
	07.30-08.25	PM	TH	0720	107	
37	06.00-07.25	PM	M W	LAWSON	161	BARTON
	06.00	PM	T	0720	106	
38	06.00-07.25	PM	M W	LAWSON	161	BARTON
	06.00	PM	TH	0720	107	
39	06.00-07.25	PM	M W	LAWSON	161	BARTON
	03.00		F	0720	109	
40	06.00-07.25	PM	M W	LAWSON	161	BARTON
	04.00		TH	0720	114	
41	06.00	PM	M W	LAWSON	161	BARTON
	03.00		W	0720	109	
42	06.00-07.25	PM	M W	LAWSON	161	BARTON
	04.00		T	0720	109	
43	06.00-07.25	PM	M W	LAWSON	161	BARTON
	06.00	PM	T	0720	103	
44	06.00-07.25	PM	M W	LAWSON	161	BARTON
	02.00		T	0720	116	
1024	MAN AND HIS WORLD			04.00 CR		
1	03.00		M W F	LAWSON	161	
	01.00		M	H EC	306	
2	08.00-08.20		M W F	LAWSON	161	
	02.00		M	H EC	306	
3	08.00-08.20		M W F	LAWSON	161	
	03.00		M	H EC	306	
4	08.00		M W F	LAWSON	161	
	04.00		M	H EC	306	
5	08.00		M W F	LAWSON	161	
	08.00		T	H EC	306	
6	08.00		M W F	LAWSON	161	
	09.00		T	H EC	306	
7	08.00-08.20		M W F	LAWSON	161	
	10.00		T	H EC	306	
8	08.00-08.20		M W F	LAWSON	161	
	11.00		T	H EC	306	
9	08.00-08.20		M W F	LAWSON	161	
	12.00		T	H EC	306	
10	08.00		M W F	LAWSON	161	
	01.00		T	H EC	306	
11	08.00-08.20		M W F	LAWSON	161	
	02.00		T	H EC	306	

12	08.00-08.20	M W F	LAWSON	161
	03.00	T	H EC	306
13	12.00	MT TH	LAWSON	171
	08.00	W	H EC	306
14	01.00	M WTHF	H EC	122A
ENROLLMENT BY PERMISSION ONLY (SECT. 14)				
15	12.00	MT TH	LAWSON	171
	09.00	W	H EC	306
16	12.00	MT TH	LAWSON	171
	10.00	W	H EC	306
17	12.00	MT TH	LAWSON	171
	11.00	W	H EC	306
18	12.00	MT TH	LAWSON	171
	12.00	W	H EC	306
19	12.00	MT TH	LAWSON	171
	01.00	W	H EC	306
20	12.00	MT TH	LAWSON	171
	02.00	W	H EC	306
21	12.00	MT TH	LAWSON	171
	03.00	W	H EC	306
22	12.00	MT TH	LAWSON	171
	04.00	W	H EC	306
23	12.00	MT TH	LAWSON	171
	08.00	TH	H EC	306
24	12.00	MT TH	LAWSON	171
	09.00	TH	H EC	306
25	12.00	MT TH	LAWSON	171
	10.00	TH	H EC	306
26	02.00	M	LAWSON	161
	02.00	T TH	LAWSON	171
	08.00	F	H EC	306
27	02.00	M	LAWSON	171
	02.00	T TH	LAWSON	161
	09.00	F	H EC	306
28	02.00	W F	H EC	122A
	02.00	MT	H EC	201
ENROLLMENT BY PERMISSION ONLY (SECT. 28)				
29	03.00	T TH	LAWSON	161
	10.00	F	H EC	306
	02.00	M	LAWSON	171
30	02.00	T TH	LAWSON	161
	11.00	F	H EC	306
	02.00	M	LAWSON	171
31	02.00	T TH	LAWSON	161
	12.00	F	H EC	306
	02.00	M	LAWSON	171
32	02.00	T TH	LAWSON	161
	01.00	F	H EC	306
	02.00	M	LAWSON	171
33	02.00	T TH	LAWSON	161
	02.00	F	H EC	306
34	02.00	T TH	LAWSON	161
	03.00	F	H EC	306
	02.00	M	LAWSON	171
35	02.00	T TH	LAWSON	161
	04.00	F	H EC	306
	02.00	M	LAWSON	171
36	02.00	T TH	LAWSON	161
	08.00-08.20	M	H EC	306
	02.00	M	LAWSON	171
37	02.00	T TH	LAWSON	161
	09.00	M	H EC	306
	02.00	M	LAWSON	171
38	02.00	T TH	LAWSON	161
	10.00	M	H EC	306
	02.00	M	LAWSON	171
39	04.00	T THF	LAWSON	141
	11.00	M	H EC	306
40	04.00	T THF	LAWSON	141
	12.00	M	H EC	306

41	04.00	T THF	LAWSON	141	
	11.00	TH	H EC	306	
42	04.00	T TH	LAWSON	141	
	12.00	TH	H EC	306	
43	04.00	T TH	LAWSON	141	
	01.00	TH	H EC	306	
44	04.00	T TH	LAWSON	141	
	02.00	TH	H EC	306	
45	04.00	T TH	LAWSON	141	
	03.00	TH	H EC	306	
46	04.00	T TH	LAWSON	141	
	12.00	F	H EC	102	
47	04.00	T TH	LAWSON	141	
	01.00	F	H EC	102	
48	04.00	T TH	LAWSON	141	
	02.00	F	H EC	102	
49	04.00	T TH	LAWSON	141	
	03.00	F	H EC	102	
50	04.00	T TH	LAWSON	141	
	11.00	F	H EC	102	
51	05.45-07.25	T TH	H EC	106	
102B	MAN AND HIS WORLD		04.0 CR		
1	08.00-09.50	M W	COMM	1022	CHRISTENSEN DAVID E
	RESTRICTED TO PRES	SCHOLARS	(SECT. 1)		
2	08.00-09.50	M W	H EC	206	CHRISTENSEN DAVID E
3	08.00-09.50	M W	H EC	102	CHRISTENSEN DAVID E
4	08.00-09.50	M W	TECH A	310	CHRISTENSEN DAVID E
5	08.00-09.50	M W	TECH A	308	CHRISTENSEN DAVID E
6	08.00-09.50	M W	TECH A	222	CHRISTENSEN DAVID E
7	08.00-09.50	M W	H EC	206	CHRISTENSEN DAVID E
8	08.00-09.50	T TH	H EC	102	CHRISTENSEN DAVID E
9	08.00-09.50	T TH	TECH A	310	CHRISTENSEN DAVID E
10	08.00-09.50	T TH	TECH A	308	CHRISTENSEN DAVID E
11	08.00-09.50	T TH	TECH A	222	CHRISTENSEN DAVID E
12	01.00	MTW	WHAM	105	CHRISTENSEN DAVID E
	12.00	TH	AG	154	
13	01.00	MTW	WHAM	105	CHRISTENSEN DAVID E
	11.00	TH	AG	216	
14	01.00	MTW	WHAM	105	CHRISTENSEN DAVID E
	01.00	F	AG	152	
15	01.00	MTW	WHAM	105	CHRISTENSEN DAVID E
	02.00	F	AG	168	
16	01.00	MTW	WHAM	105	CHRISTENSEN DAVID E
	04.00	F	AG	224	
17	01.00	MTW	WHAM	105	CHRISTENSEN DAVID E
	03.00	F	AG	152	
18	01.00	MTW	WHAM	105	CHRISTENSEN DAVID E
	02.00	TH	AG	152	
19	01.00	MTW	WHAM	105	CHRISTENSEN DAVID E
	03.00	TH	AG	150	
20	10.00-11.50	T TH	TECH A	310	CHRISTENSEN DAVID E
21	10.00-11.50	T TH	TECH A	308	CHRISTENSEN DAVID E
22	10.00-11.50	T TH	TECH A	222	CHRISTENSEN DAVID E
23	12.00-01.50	M W	COMM	1022	CHRISTENSEN DAVID E
24	12.00-01.50	M W	H EC	206	CHRISTENSEN DAVID E
25	12.00-01.50	M W	H EC	102	CHRISTENSEN DAVID E
26	12.00-01.50	M W	TECH A	310	CHRISTENSEN DAVID E
27	12.00-01.50	M W	TECH A	308	CHRISTENSEN DAVID E
28	12.00-01.50	M W	TECH A	222	CHRISTENSEN DAVID E
29	12.00-01.50	T TH	H EC	206	CHRISTENSEN DAVID E
30	12.00-01.50	T TH	H EC	102	CHRISTENSEN DAVID E
31	12.00-01.50	T TH	TECH A	310	CHRISTENSEN DAVID E
32	12.00-01.50	T TH	TECH A	308	CHRISTENSEN DAVID E
33	12.00-01.50	T TH	TECH A	222	CHRISTENSEN DAVID E
109	INTRO TO BLACK AMER		04.0 CR		
1	06.00	PM M W	LAWSON	171	
	03.00-04.50	T	PARK	308	
2	06.00	PM M W	LAWSON	171	
	03.00-04.50	T	TECH A	322	
3	06.00	PM M W	LAWSON	171	

	03.00-04.50		T	BAILEY	130	
4	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	WHAM	303	
5	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	PARK	111	
6	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	AG	170	
7	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	PHY SC	410	
8	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	TECH A	120	
9	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	TECH A	122	
10	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	0720	105	
11	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	AG	150	
12	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	ARENA	125	
13	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	AG	218	
14	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	AG	148	
15	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	PULL	43	
16	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	LS II	430	
17	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	WHLR	214	
18	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	WHLR	212	
19	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	WHAM	326	
20	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	ARENA	123	
2018	SOCIETY + BEHAVIOR			04.00 CR		
1	09.00		T TH	PARK	124	PATTERSON EDGAR I
	08.00		W F	AG	224	
2	09.00		T TH	PARK	124	PATTERSON EDGAR I
	08.00		W F	H EC	118	
3	09.00		T TH	PARK	124	PATTERSON EDGAR I
	09.00		W F	TECH A	320	
4	09.00		T TH	PARK	124	PATTERSON EDGAR I
	10.00		W F	0861	101	
5	09.00		T TH	PARK	124	PATTERSON EDGAR I
	10.00		W	AG	220	
	10.00		F	AG	216	
6	09.00		T TH	PARK	124	PATTERSON EDGAR I
	11.00		W F	H EC	201	
7	09.00		T TH	PARK	124	PATTERSON EDGAR I
	12.00		W F	PHY SC	118	
8	09.00		T TH	PARK	124	PATTERSON EDGAR I
	01.00		W	WHAM	201	
	01.00		F	CL	109	
9	08.00		M WTHF	WHAM	112	
10	12.00		M WTHF	WHAM	112	
11	04.00		MTWTH	WHAM	112	
12	02.00		T TH	WHAM	105	PATTERSON EDGAR I
	08.00		T F	COMM	1022	
13	02.00		T TH	WHAM	105	PATTERSON EDGAR I
	09.00		T F	COMM	1022	
14	02.00		T TH	WHAM	105	PATTERSON EDGAR I
	10.00		T S	WHAM	201	
15	02.00		T TH	WHAM	105	PATTERSON EDGAR I
	11.00		T S	WHAM	201	
16	02.00		T TH	WHAM	105	PATTERSON EDGAR I
	12.00		T F	COMM	1006	
17	02.00		T TH	WHAM	105	PATTERSON EDGAR I
	01.00		T F	0720	117	
18	02.00		T TH	WHAM	105	PATTERSON EDGAR I
	03.00		W	WHAM	201	

	03.00		F	WHAM	203	
19	02.00		T TH	WHAM	105	PATTERSON EDGAR I
	04.00		T F	WHAM	206	
20	04.00		W F	LAWSON	171	NALL ELIZABETH W
	10.00		M TH	BAILEY	130	
21	04.00		W F	LAWSON	171	NALL ELIZABETH W
	10.00		M TH	PULL	43A	
22	04.00		W F	LAWSON	171	NALL ELIZABETH W
	11.00		M	BAILEY	130	
23	04.00		W F	LAWSON	171	NALL ELIZABETH W
	12.00		M TH	COMM	1006	
24	04.00		W F	LAWSON	171	NALL ELIZABETH W
	01.00		M TH	TECH A	420	
SECT 24 RESERVED FOR PRESIDENTS SCHOLARS						
25	04.00		W F	LAWSON	171	NALL ELIZABETH W
	02.00		M TH	PULL	43	
26	04.00		W F	LAWSON	171	NALL ELIZABETH W
	04.00		M TH	PULL	41	
27	04.00		W F	LAWSON	171	NALL ELIZABETH W
	04.00		M TH	WHAM	308	
28	07.35-09.15 PM		M TH	WHAM	308	
29	07.35-09.15 PM		M TH	WHAM	112	
2010	SOCIETY + BEHAVIOR			04.00 CR		
1	11.00		M W	LAWSON	141	CARRIER NEIL ALAN
	01.00-02.50		W	PULL	39	
2	11.00		M W	LAWSON	141	CARRIER NEIL ALAN
	06.00-07.50 PM		W	PULL	39	
3	11.00		M W	LAWSON	141	CARRIER NEIL ALAN
	08.00-09.50		TH	PULL	39	
4	11.00		M W	LAWSON	141	CARRIER NEIL ALAN
	10.00-11.50		TH	PULL	39	
5	11.00		M W	LAWSON	141	CARRIER NEIL ALAN
	01.00-02.50		TH	PULL	39	
6	11.00		M W	LAWSON	141	CARRIER NEIL ALAN
	03.00-04.50		TH	PULL	39	
7	11.00		M W	LAWSON	141	CARRIER NEIL ALAN
	08.00-09.50		F	PULL	39	
8	11.00		M W	LAWSON	141	CARRIER NEIL ALAN
	12.00-01.50		F	PULL	39	
9	11.00		M W	LAWSON	141	CARRIER NEIL ALAN
	08.00-09.50		S	PULL	39	
10	11.00		M W	LAWSON	141	CARRIER NEIL ALAN
	10.00-11.50		S	PULL	39	
11	04.00		M W	LAWSON	141	CARRIER NEIL ALAN
	01.00-02.50		W	AG	154	
12	04.00		M W	LAWSON	141	CARRIER NEIL ALAN
	06.00-07.50 PM		TH	AG	148	
13	04.00		M W	LAWSON	141	CARRIER NEIL ALAN
	08.00-09.50		TH	AG	170	
14	04.00		M W	LAWSON	141	CARRIER NEIL ALAN
	10.00-11.50		TH	AG	148	
15	04.00		M W	LAWSON	141	CARRIER NEIL ALAN
	01.00-02.50		TH	AG	154	
16	04.00		M W	LAWSON	141	CARRIER NEIL ALAN
	03.00-04.50		TH	AG	154	
17	04.00		M W	LAWSON	141	CARRIER NEIL ALAN
	08.00-09.50		F	AG	170	
18	04.00		M W	LAWSON	141	CARRIER NEIL ALAN
	12.00-01.50		F	AG	222	
19	04.00		M W	LAWSON	141	CARRIER NEIL ALAN
	08.00-09.50		S	AG	116	
20	04.00		M W	LAWSON	141	CARRIER NEIL ALAN
	10.00-11.50		S	AG	116	
21	06.00-07.40 PM		M	LAWSON	141	
	04.00-05.50		W	PULL	39	
22	06.00-07.40 PM		M	LAWSON	141	
	03.00-04.50		W	AG	116	
23	06.00-07.40 PM		M	LAWSON	141	
	06.00-07.50 PM		TH	PULL	39	
24	06.00-07.40 PM		M	LAWSON	141	
	06.00-07.50 PM		W	AG	148	

25	06.00-07.40	PM	M	LAWSON	141	
	10.00-11.50		F	PULL	39	
26	06.00-07.40	PM	M	LAWSON	141	
	10.00-11.50		F	LS II	250	
27	06.00-07.40	PM	M	LAWSON	141	
	10.00-11.50		F	WHAM	112	
28	06.00-07.40	PM	M	LAWSON	141	
	02.00-03.50		F	AG	222	
29	06.00-07.40	PM	M	LAWSON	141	
	12.00-01.50		F	WHAM	328	
30	06.00-07.40	PM	M	LAWSON	141	
	02.00-03.50		F	WHAM	202	
31	09.00		M W	PARK	111	SCHMECK RONALD R
	08.00-09.50		TH	AG	148	SCHMECK RONALD R
32	09.00		M W	PARK	111	SCHMECK RONALD R
	01.00-02.50		TH	AG	148	SCHMECK RONALD R
33	03.00-04.50		M	PULL	38	HEISLER
	03.00-04.50		W	PIERCE	130	
34	03.00-04.50		M	PULL	38	HEISLER
	03.00-04.50		TH	PIERCE	130	
210E	INTERCUL SEM-F EAST		02.0	TO 04.0	CR	
1	07.35-09.15	PM	W	WARREN	129	LAYBOURN JOHN E
211A	POLITICAL ECONCMY			04.0	CR	
1	09.00		MTWTH	WHAM	105	HAND
211B	POLITICAL ECONCMY			04.0	CR	
1	10.00		M W F	LAWSON	151	WASBY
	08.00		T	PULL	43A	
2	10.00		M W F	LAWSON	151	WASBY
	08.00		TH	PULL	43	
3	10.00		M W F	LAWSON	151	WASBY
	09.00		T	PULL	41	
4	10.00		M W F	LAWSON	151	WASBY
	09.00		TH	PULL	41	
5	10.00		M W F	LAWSON	151	WASBY
	10.00		T	PULL	41	
6	10.00		M W F	LAWSON	151	WASBY
	10.00		TH	PULL	41	
7	10.00		M W F	LAWSON	151	WASBY
	09.00		T	PIERCE	130	
8	10.00		M W F	LAWSON	151	WASBY
	11.00		T	PULL	43A	
9	10.00		M W F	LAWSON	151	WASBY
	11.00		TH	PULL	41	
10	12.00		MT THF	WHAM	319	
11	03.00		M W F	PHY SB	240	JACKSON
	03.00		TH	PULL	41	
12	03.00		M W F	PHY SB	240	JACKSON
	03.00		T	PULL	41	
13	03.00		M W F	PHY SB	240	JACKSON
	03.00		TH	PULL	43A	
14	03.00		M W F	PHY SB	240	JACKSON
	04.00		T	PULL	43A	
15	03.00		M W F	PHY SB	240	JACKSON
	04.00		TH	PULL	43A	
16	03.00		M W F	PHY SB	240	JACKSON
	01.00		TH	PULL	41	
17	03.00		M W F	PHY SB	240	JACKSON
	01.00		T	COMM	1017	
18	03.00		M W F	PHY SB	240	JACKSON
	02.00		T	WHAM	328	
19	03.00		M W F	PHY SB	240	JACKSON
	02.00		TH	AG	220	
20	05.45-07.25		M W	CL	109	
21	05.45-07.25		T TH	PULL	41	
22	07.35-09.15	PM	M W	CL	109	
23	07.35-09.15	PM	T TH	CL	24	
300A	UNITED STATES HIST			03.0	CR	
1	12.00		MT TH	PHY SB	440	HUDSON
2	04.00		T TH	LAWSON	171	BATINSKI
	04.00		F	WHAM	105	

300B	UNITED STATES HIST		03.0	CR	
1	11.00	T THF	LAWSON	151	ADAMS
2	01.00	M W	LAWSON	171	FLADELAND
	01.00	TH	WHAM	105	
3	03.00	T THF	LAWSON	151	BATINSKI
300C	UNITED STATES HIST		03.0	CR	
1	09.00	M	LAWSON	151	CARROTT MONTGOMERY B
	09.00	T TH	LAWSON	151	
2	02.00	TWTH	LAWSON	171	TRANI
302	LAW CIVIL RIGHTS		03.0	CR	
1	08.00	MT TH	PARK	111	GREGORY DONALD
303	INTERNATIONAL REL		04.0	CR	
1	09.00	MTW F	H EC	118	CHOU
2	10.00-11.50	T TH	PHY SA	458	
3	12.00	MT THF	CL	109	
4	01.00-02.50	M	CL	109	LEVINE
	01.00-02.50	W	COMM	1006	
5	04.00	MTWTH	WHAM	210	STAUBER
304	LAW HIST PHIL		03.0	CR	
1	03.00	T THF	LAWSON	221	ABBASS
306	CHILD DEVELOPMENT		03.0	CR	
1	03.00	M W F	H EC	203	
310	CURRENT EVENTS		01.0 TO 03.0	CR	
1	10.00	F	LAWSON	161	FORD JAMES L C
	08.00	T	AG	116	
2	10.00	F	LAWSON	161	FORD JAMES L C
	08.00	F	WHAM	328	
3	10.00	F	LAWSON	161	FORD JAMES L C
	09.00	M	COMM	2012	
4	10.00	F	LAWSON	161	FORD JAMES L C
	09.00	T	AG	116	
5	10.00	F	LAWSON	161	FORD JAMES L C
	09.00	TH	AG	154	
6	10.00	F	LAWSON	161	FORD JAMES L C
	11.00	W	H EC	122	
7	10.00	F	LAWSON	161	FORD JAMES L C
	12.00	M	AG	150	
8	10.00	F	LAWSON	161	FORD JAMES L C
	12.00	TH	AG	150	
9	10.00	F	LAWSON	161	FORD JAMES L C
	01.00	W	AG	153	
10	10.00	F	LAWSON	161	FORD JAMES L C
	01.00	F	AG	150	
11	10.00	F	LAWSON	161	FORD JAMES L C
	02.00	TH	AG	224	
12	10.00	F	LAWSON	161	FORD JAMES L C
	03.00	T	AG	144	
311	ECON DEVELOP OF U S		03.0	CR	
	PREREQ GSB 101B CR 211A,B OR 215				
1	09.00	M W F	0075	102	ADAMS DONALD R
314	ECON ANAL AG POL US		03.0	CR	
	PREREQ GSB 211				
1	09.00	TH	AG	116	LYBECKER
	02.00	MT	AG	214	
2	02.00	TH	AG	155	
	02.00	MT	AG	214	
321	SOCIALIZAT OF INDIV		03.0	CR	
1	08.00	M W F	WHAM	210	NALL ELIZABETH W
2	10.00	M W F	WHAM	308	NALL ELIZABETH W
325	RACE + MIN RELATION		03.0	CR	
1	09.00	M W F	LS II	146	BROOKS
2	10.00	M W F	LS II	450	BROOKS
331	AMER ED SYSTEM		03.0	CR	
1	09.00	M W F	WHAM	203	
2	08.00	MT TH	WHAM	201	
3	09.00	M W F	WHAM	205	
4	10.00	M W F	WHAM	329	
5	11.00	M W F	WHAM	205	
6	01.00	M W F	WHAM	205	
7	02.00	M W F	WHAM	205	
8	03.00	M W F	WHAM	205	

9	06.00-07.25 PM	T TH	WHAM	205	
10	06.00-07.25 PM	M W	WHAM	205	
341	MARRIAGE		03.0 CR		
1	03.00	M W F	WHAM	308	MC MILLIN
345	INTR TO AM FGN POL		03.0 CR		
1	01.00	M W F	PULL	38	LANDECKER MANFRED
2	09.00	M	0801	101	KLINGBERG
	09.00	T TH	0720	102	
353	ECON GENG-RES MGT		03.0 CR		
	PREREQ NONE				
1	02.00	M WTH	0483	101	MC CAULEY
355	GEOG OF U S		03.0 CR		
1	09.00	M W	LAWSON	101	HILLIARD
	09.00	TH	LAWSON	121	
361	FUND OF DECIS MAKE		03.0 CR		
	PREREQ MATH 111-10 A+B	OR GSD 108A +B			
1	02.00	M W F	TECH A	111	
3803	E EUR-PRES INSTITUT		03.0 CR		
1	09.00	M W F	CL	109	KATZ-SUCHY
385	CONTEMP POL ISMS		03.0 CR		
1	09.00	T TH	LAWSON	231	KAMARASY EGON K
	09.00	F	LAWSON	221	
390	INTR TO COMP GOVT		04.0 CR		
1	03.00	MT THF	WHAM	210	HARDENBERGH
2	10.00	M	WHAM	205	KAMARASY
	10.00	T TH	WHAM	210	
	10.00	F	WHAM	302	
3	12.00	T THF	WHAM	208	MORRIS
	12.00	M	WHAM	308	
4	08.00	MT F	COMM	1021	
	08.00	TH	WHAM	210	

General Studies Area C—Man's Insights and Appreciations

(GSC)

100	MUSIC UNDERSTANDING		03.0 CR		
1	09.00	M W F	LAWSON	121	FLOYD SAMUEL
2	06.00-07.25 PM	T TH	LAWSON	161	EDDINS JOHN M
3	02.00	M W F	LAWSON	161	NADAF GEORGE
101	ART APPRECIATION		03.0 CR		
1	12.00	W	LAWSON	171	SCHECK, WAYNE
	10.00-11.50	T	0843	103	
	08.00	W	0843	103	
2	03.00	M	LAWSON	161	
	09.00-10.50	W	0843	103	
	03.00	W	0843	103	
3	12.00	W	LAWSON	171	
	08.00-09.50	M	0843	103	
	12.00	T	0843	103	
4	12.00	W	LAWSON	171	
	08.00-09.50		0843	103	
	09.00	T	0843	103	
5	12.00	W	LAWSON	171	
	03.00-04.50	M	0843	103	
	04.00	W	0843	103	
6	12.00	W	LAWSON	171	
	01.00-02.50	M	0843	103	
	12.00	F	0843	102	
7	12.00	W	LAWSON	171	
	01.00-02.50	F	0843	103	
	12.00	TH	0843	102	
8	12.00	W	LAWSON	171	
	11.00-12.50	M	0843	103	
	10.00	TH	0843	103	
9	12.00	W	LAWSON	171	
	08.00-09.50		0843	102	
	10.00	M	0843	103	
10	01.00-02.50	T	0843	103	
	11.00	TH	0843	102	
	12.00	F	LAWSON	171	

11	01.00-02.50	TH	0843	103
	11.00	F	0843	102
	12.00	F	LAWSON	171
12	03.00	M	LAWSON	161
	11.00-12.50	F	0843	103
	12.00	T	0843	102
13	03.00	M	LAWSON	161
	01.00-02.50	W	0843	103
	03.00	T	0843	102
14	03.00	M	LAWSON	161
	11.00-12.50	TH	0843	103
	03.00	W	0843	102
15	03.00	M	LAWSON	161
	08.00-09.50	F	0843	103
	09.00	TH	0843	103
16	03.00	M	LAWSON	161
	11.00-12.50	W	0843	103
	03.00	TH	0843	102
17	03.00	M	LAWSON	161
	10.00-11.50	S	0843	103
	03.00	F	0843	102
18	03.00	M	LAWSON	161
	10.00-11.50	S	0843	102
	02.00	T	0843	102
19	03.00-04.50	T	0843	103
	07.35-08.25 PM	TH	0843	102
	12.00	F	LAWSON	171
20	03.00-04.50	TH	0843	103
	11.00	M	0843	102
	12.00	F	LAWSON	171
21	03.00-04.50	F	0843	103
	09.00	T	0843	102
	12.00	F	LAWSON	171
22	05.00-06.50	T	0843	103
	02.00	W	0843	102
	12.00	F	LAWSON	171
23	05.00-06.50	M	0843	103
	12.00	W	0843	102
	12.00	F	LAWSON	171
24	05.00-06.50	TH	0843	103
	08.00	TH	0843	102
	12.00	F	LAWSON	171
25	05.00-06.50	T	0843	102
	11.00	W	0843	102
	03.00	W	LAWSON	161
26	05.00-06.50	TH	0843	102
	07.35-08.25 PM	M	0843	102
	03.00	W	LAWSON	161
27	05.00-06.50	W	0843	102
	07.35-08.25 PM	T	0843	102
	03.00	W	LAWSON	161
28	05.00-06.50	M	0843	102
	02.00	TH	0843	102
	03.00	W	LAWSON	161
29	07.35-08.15 PM	TH	0843	103
	02.00	M	0843	102
	03.00	W	LAWSON	161
30	07.35-08.15 PM	T	0843	103
	02.00	F	0843	102

	03.00	W	LAWSON	161	
31	12.00	W	LAWSON	171	
	09.00-10.50	M	0843	102	
	10.00	F	0843	102	
32	12.00	W	LAWSON	171	
	09.00-10.50	TH	0843	102	
	10.00	F	0843	103	
33	03.00	M	LAWSON	161	
	05.00-06.50	W	0843	103	
	01.00	T	0843	102	
34	03.00	M	LAWSON	161	
	08.00-09.50	W	0843	102	
	01.00	TH	0843	102	
35	03.00	W	LAWSON	161	
	08.00-09.50	F	0843	102	
	08.00	TH	0843	103	
36	03.00	W	LAWSON	161	
	12.00-01.50	M	0843	102	
	01.00	F	0843	102	
102	PROB-MORAL DEC-PHIL		03.00 CR		
1	10.00	T TH	LAWSON	141	AUDI
	11.00	TH	AG	224	
2	10.00	T TH	LAWSON	141	AUDI
	12.00	TH	H EC	203	
3	10.00	T TH	LAWSON	141	AUDI
	01.00	TH	H EC	202	
4	10.00	T TH	LAWSON	141	AUDI
	02.00	TH	WHAM	321	
5	10.00	T TH	LAWSON	141	AUDI
	03.00	TH	H EC	120	
6	10.00	T TH	LAWSON	141	AUDI
	08.00	F	H EC	202	
7	10.00	T TH	LAWSON	141	AUDI
	09.00	F	WHAM	206	
8	10.00	T TH	LAWSON	141	AUDI
	10.00	F	H EC	208	
9	10.00	T TH	LAWSON	141	AUDI
	11.00	F	H EC	202	
10	10.00	T TH	LAWSON	141	AUDI
	01.00	F	H EC	202	
11	10.00	T TH	LAWSON	141	AUDI
	09.00	T	COMM	1021	
12	10.00	T TH	LAWSON	141	AUDI
	10.00	S	H EC	208	
13	11.00	M W	LAWSON	151	SCHILPP PAUL A
	01.00	W	H EC	202	
14	11.00	M W	LAWSON	151	SCHILPP PAUL A
	02.00	W	H EC	202	
15	11.00	M W	LAWSON	151	SCHILPP PAUL A
	03.00	W	0862	101	
16	11.00	M W	LAWSON	151	SCHILPP PAUL A
	08.00	TH	H EC	208	
17	11.00	M W	LAWSON	151	SCHILPP PAUL A
	09.00	TH	0721	102	
18	11.00	M W	LAWSON	151	SCHILPP PAUL A
	10.00	TH	H EC	202	
19	11.00	M W	LAWSON	151	SCHILPP PAUL A
	11.00	TH	H EC	120	
20	11.00	M W	LAWSON	151	SCHILPP PAUL A
	12.00	TH	H EC	208	
21	11.00	M W	LAWSON	151	SCHILPP PAUL A
	01.00	TH	H EC	208	
22	11.00	M W	LAWSON	151	SCHILPP PAUL A
	02.00	TH	H EC	208	
23	11.00	M W	LAWSON	151	SCHILPP PAUL A
	03.00	TH	H EC	202	
24	11.00	M W	LAWSON	151	SCHILPP PAUL A
	08.00	F	WHAM	205	
25	11.00	T TH	LAWSON	161	HOWARD
	01.00	TH	H EC	104	

26	11.00	T TH	LAWSON	161	HOWARD
	02.00	TH	H EC	202	
27	11.00	T TH	LAWSON	161	HOWARD
	03.00	TH	H EC	208	
28	11.00	T TH	LAWSON	161	HOWARD
	08.00	F	H EC	122	
29	11.00	T TH	LAWSON	161	HOWARD
	09.00	F	ARENA	123	
30	11.00	T TH	LAWSON	161	HOWARD
	10.00	F	H EC	202	
31	11.00	T TH	LAWSON	161	HOWARD
	11.00	F	LS II	330	
32	11.00	T TH	LAWSON	161	HOWARD
	12.00	F	H EC	202	
33	11.00	T TH	LAWSON	161	HOWARD
	01.00	F	0871	101	
34	11.00	T TH	LAWSON	161	HOWARD
	02.00	F	H EC	202	
35	11.00	T TH	LAWSON	161	HOWARD
	03.00	F	H EC	118	
36	11.00	T TH	LAWSON	161	HOWARD
	09.00	T	LS II	146	
37	01.00	T TH	LAWSON	141	HOWIE JOHN
	08.00	M	0720	117	
38	01.00	T TH	LAWSON	141	HOWIE JOHN
	09.00	M	0720	108	
39	01.00	T TH	LAWSON	141	HOWIE JOHN
	08.00	F	H EC	106	
40	01.00	T TH	LAWSON	141	HOWIE JOHN
	11.00	M	WHLR	107	
41	01.00	T TH	LAWSON	141	HOWIE JOHN
	12.00	M	H EC	202	
42	01.00	T TH	LAWSON	141	HOWIE JOHN
	01.00	M	H EC	202	
43	01.00	T TH	LAWSON	141	HOWIE JOHN
	08.00	T	H EC	208	
44	01.00	T TH	LAWSON	141	HOWIE JOHN
	09.00	T	H EC	208	
45	01.00	T TH	LAWSON	141	HOWIE JOHN
	10.00	T	H EC	202	
46	01.00	T TH	LAWSON	141	HOWIE JOHN
	11.00	T	H EC	202	
47	01.00	T TH	LAWSON	141	HOWIE JOHN
	10.00	T	H EC	118	
48	01.00	T TH	LAWSON	141	HOWIE JOHN
	11.00	T	H EC	120	
49	03.00	T TH	LAWSON	141	KELLY MATTHEW
	08.00	M	H EC	120	
50	03.00	T TH	LAWSON	141	KELLY MATTHEW
	09.00	M	H EC	120	
51	03.00	T TH	LAWSON	141	KELLY MATTHEW
	12.00	M	COMM	1021	
52	03.00	T TH	LAWSON	141	KELLY MATTHEW
	02.00	M	H EC	202	
53	03.00	T TH	LAWSON	141	KELLY MATTHEW
	08.00	T	H EC	118	
54	03.00	T TH	LAWSON	141	KELLY MATTHEW
	12.00	T	H EC	208	
55	03.00	T TH	LAWSON	141	KELLY MATTHEW
	01.00	T	H EC	208	
56	03.00	T TH	LAWSON	141	KELLY MATTHEW
	02.00	T	H EC	208	
57	03.00	T TH	LAWSON	141	KELLY MATTHEW
	09.00	T	WHLR	212	
58	03.00	T TH	LAWSON	141	KELLY MATTHEW
	10.00	F	PIERCE	130	
59	03.00	T TH	LAWSON	141	KELLY MATTHEW
	11.00	F	CL	24	
60	03.00	T TH	LAWSON	141	KELLY MATTHEW
	01.00	F	WHAM	317	

61	07.35-08.25 PM	T TH	LAWSON	141	GILLESPIE
	09.00	F	ABBOTT	129	
62	07.35-08.25 PM	T TH	LAWSON	141	GILLESPIE
	10.00	F	WHAM	203	
63	07.35-08.25 PM	T TH	LAWSON	141	GILLESPIE
	11.00	F	BAILEY	130	
64	07.35-08.25 PM	T TH	LAWSON	141	GILLESPIE
	12.00	F	H EC	120	
65	07.35-08.25 PM	T TH	LAWSON	141	GILLESPIE
	12.00	M	CL	326	
66	07.35-08.25 PM	T TH	LAWSON	141	GILLESPIE
	08.00	T	H EC	106	
67	07.35-08.25 PM	T TH	LAWSON	141	GILLESPIE
	02.00	M	BAILEY	130	
68	07.35-08.25 PM	T TH	LAWSON	141	GILLESPIE
	03.00	M	CL	109	
69	07.35-08.25 PM	T TH	LAWSON	141	GILLESPIE
	10.00	T	H EC	104	
70	07.35-08.25 PM	T TH	LAWSON	141	GILLESPIE
	11.00	T	H EC	104	
71	07.35-08.25 PM	T TH	LAWSON	141	GILLESPIE
	12.00	T	H EC	104	
72	07.35-08.25 PM	T TH	LAWSON	141	GILLESPIE
	01.00	T	WHAM	305	

103 WORLD LIT FOR COMP 03.0 CR
 PREREQ GSD 102 CR THE APPROPRIATE ACT
 SCORE

1	08.00	M W F	WHAM	303	
2	08.00	M W F	WARREN	129	
3	08.00	T TH F	H EC	120	
4	08.00	M W F	0862	102	
5	08.00	T TH	0862	102	
	08.00	F	0875	101	
6	08.00	M W F	0721	101	
7	09.00	M W F	FELTS	130	
8	09.00	T TH	0721	101	
	09.00	F	0720	108	
9	09.00	T TH F	PULL	43A	
10	09.00	M W F	0862	102	
11	09.00	T TH	AG	152	
	09.00	F	AG	224	
12	10.00	M W F	FELTS	130	
13	10.00	M W F	WARREN	129	
14	10.00	T TH	WARREN	129	
	10.00	F	WHAM	202	
15	10.00	M W F	0862	102	
16	10.00	T TH	0720	105	
	10.00	F	PHY SA	156	
17	10.00	M	0720	109	
	10.00	W F	0861	102	
18	11.00	M W F	FELTS	130	
19	11.00	T TH	FELTS	130	
	11.00	F	WHAM	303	
20	11.00	M W F	WARREN	129	
21	11.00	M W F	0862	102	
22	11.00	T TH F	LS II	130	
23	11.00	T TH	AG	154	
	11.00	F	AG	152	
24	12.00	M W F	0720	103	
25	12.00	T TH	FELTS	130	
	12.00	F	WARREN	129	
26	12.00	MT TH	WARREN	129	
27	12.00	MT TH	GYM	203	
28	12.00	T F	0871	101	
	12.00	W	H EC	122	
29	12.00	M W F	0862	102	
30	12.00	T TH F	0875	101	
31	12.00	MT TH	PHY SA	258	
32	01.00	M W F	0720	103	
33	01.00	T TH	FELTS	130	
	01.00	F	WARREN	129	

34	01.00	MT TH	AG	220	
35	01.00	M WTH	WARREN	129	
FOREIGN STUDENTS ONLY (SECT. 35)					
36	01.00	T	H EC	202	
	01.00	W	H EC	122	
	01.00	F	GYM	203	
37	01.00	T F	0720	101	
	01.00	TH	0720	116	
38	01.00	TW F	PHY SA	278	
39	02.00	M W F	AG	152	
40	02.00	T TH	FELTS	130	
	02.00	F	WARREN	129	
41	02.00	MT TH	WARREN	129	
42	02.00	M WTH	0871	101	
43	02.00	T THF	0720	101	
44	02.00	T TH	ABDJT	129	
	02.00	F	BAILEY	130	
45	02.00	M	AG	148	
	02.00	W F	GYM	204	
46	03.00	M W F	FELTS	130	
47	03.00	T TH	FELTS	130	
	03.00	F	WARREN	129	
48	03.00	MT TH	WARREN	129	
49	03.00	M WTH	GYM	203	
50	03.00	T F	GYM	203	
	03.00	W	H EC	122	
51	03.00	T THF	0720	114	
52	03.00	M W F	H EC	202	
53	04.00	M W F	FELTS	130	
54	04.00	T THF	WHAM	307	
55	04.00	MT TH	WARREN	129	
56	04.00	TW F	GYM	203	
57	04.00	M W F	0720	107	
58	06.00-07.15 PM	M W	0862	102	
59	06.00-07.15 PM	T TH	0862	102	
60	06.00-07.15 PM	M W	0720	117	
61	06.00-07.15 PM	T TH	0720	117	
62	06.00-07.15 PM	M W	0871	101	
63	06.00-07.15 PM	T TH	0721	101	
64	07.35-08.50 PM	M W	0862	102	
65	07.35-08.50 PM	T TH	0862	102	
66	07.35-08.50 PM	M W	0720	117	
67	07.35-08.50 PM	T TH	0720	117	
68	07.35-08.50 PM	M W	0871	101	
69	07.35-08.50 PM	T TH	0721	101	
110B	WESTERN HUMANITIES		03.0 CR		
1	10.00	M W F	LAWSON	141	PLOCHMANN G K
200	ORAL INTERP OF LIT		04.0 CR		
1	08.00	MTWTH	COMM	1020	
SECT 1+2 - ELEMENTARY MAJORS ONLY					
2	11.00-12.50	T TH	COMM	1020	
3	12.00	MTW F	COMM	1018	
4	12.00	MTWTH	COMM	1017	
SPEECH MAJORS ONLY (SECT. 4)					
5	01.00	MTWTH	COMM	1020	
6	12.00	M W	COMM	1020	
	12.00-01.50	F	COMM	1020	
7	04.00	TWTHF	COMM	1020	
ADDITIONAL MTG 2.00 F COMM 2014 FOR SECT S 1-7					
8	04.00	MTWTH	COMM	1018	
9	07.35-09.15 PM	M W	COMM	1017	
10	07.35-09.15 PM	T TH	COMM	1021	
11	07.35-09.15 PM	T TH	COMM	1018	
12	07.35-09.15 PM	M W	COMM	1018	
NOTE: ADDITIONAL MTG 3.00 F COMM 2014 FOR SECT'S 8-12					
201	INTRO TO DRAMA		03.0 CR		
PREREQ GSC 103 OR EQUIV					
1	08.00	M W F	TECH A	122	
2	09.00	TWTH	GYM	203	

3	10.00	M W	AG	148	
	10.00	F	AG	224	
4	11.00	T TH	WHAM	303	
	11.00	F	TECH A	222	
5	12.00	M W F	WHAM	303	
6	01.00	M W F	WHAM	303	
7	02.00	M W F	0720	107	
8	03.00	M W F	WHAM	303	
9	04.00	M W F	WHAM	303	
10	06.00-07.15 PM	M W	0720	107	
11	06.00-07.25 PM	M W	0720	113	
12	07.35-08.50 PM	M W	0720	118	
202	INTRO TO POETRY			03.0 CR	
	PREREQ	GSC 103 OR EQUIV			
1	08.00	T TH	WHAM	303	
	08.00	F	WHAM	308	
2	08.00	M W F	0720	108	
3	09.00	T TH	0720	107	
	09.00	F	0875	101	
4	10.00	T TH F	0720	109	
5	11.00	M W	PULL	39	
	11.00	F	GYM	204	
6	12.00	M	WHAM	307	
	12.00	T TH	WHAM	303	
7	01.00	M	AG	154	
	01.00	T TH	WHAM	303	
8	02.00	M	AG	222	
	02.00	T TH	0875	102	
9	03.00	MT TH	ARENA	119	
10	04.00	MT TH	0720	108	
11	06.00-07.15 PM	T TH	WHAM	303	
12	07.35-08.50 PM	T TH	H EC	104	
203	DRAMA-ARTS OF THEA			03.0 CR	
1	11.00	T TH	COMM	1037	GRAY WINSTON G
	03.00	TH	COMM	1017	
2	11.00	T TH	COMM	1037	GRAY WINSTON G
	04.00	TH	COMM	1017	
3	11.00	T TH	COMM	1037	GRAY WINSTON G
	03.00	F	COMM	1017	
4	11.00	T TH	COMM	1037	GRAY WINSTON G
	04.00	F	COMM	1017	
5	11.00	T TH	COMM	1037	GRAY WINSTON G
	01.00	TH	COMM	1017	
6	11.00	T TH	COMM	1037	GRAY WINSTON G
	01.00	F	COMM	1008	
7	11.00	T TH	COMM	1037	GRAY WINSTON G
	12.00	F	COMM	1017	
8	11.00	T TH	COMM	1037	GRAY WINSTON G
	02.00	TH	COMM	1022	
9	11.00	T TH	COMM	1037	GRAY WINSTON G
	02.00	F	COMM	1017	
10	11.00	T TH	COMM	1037	GRAY WINSTON G
	02.00	W	CL	326	
11	11.00	T TH	COMM	1037	GRAY WINSTON G
	03.00	W	COMM	1017	
12	11.00	T TH	COMM	1037	GRAY WINSTON G
	04.00	W	COMM	1021	
13	11.00	T TH	COMM	1037	
	01.00	W	PHY SA	156	
14	11.00	T TH	COMM	1037	
	11.00	F	LS II	228	
15	11.00	T TH	COMM	1037	
	12.00	F	0875	102	
16	11.00	T TH	COMM	1037	
	01.00	F	COMM	2012	
17	11.00	T TH	COMM	1037	
	02.00	F	COMM	1021	
18	11.00	T TH	COMM	1037	
	03.00	F	COMM	1020	
19	11.00	T TH	COMM	1037	
	04.00	F	COMM	1022	

20	11.00	T TH	COMM	1037	
	02.00	TH	WHAM	208	
204	MEANING IN VIS ARTS		04.0	CR	
	PREREQ GSC 101 CR CONSENT				
1	01.00	M W	LAWSON	151	SULLIVAN JAMES E
	01.00-02.50	T	0842	101	
	11.00	F	0842	101	
2	01.00	M W	LAWSON	151	
	01.00-02.50	TH	0842	101	
	12.00	F	0842	101	
3	01.00	M W	LAWSON	151	
	03.00-04.50	T	0842	101	
	01.00	F	0842	101	
4	01.00	M W	LAWSON	151	
	03.00-04.50	TH	0842	101	
	04.00	F	0842	101	
5	01.00	M W	LAWSON	151	
	11.00-12.50	T	0842	101	
	03.00	F	0842	101	
6	01.00	M W	LAWSON	151	
	11.00-12.50	TH	0842	101	
	04.00	F	0842	101	
205	MANS CONTEMP ENVIR		04.0	CR	
1	09.00-10.50	T	LAWSON	121	GROSOWSKY
	10.00	TH F	LAWSON	121	
2	08.00-09.50	TH	LAWSON	161	GROSOWSKY
	09.00	T	LAWSON	161	
	09.00	F	LAWSON	171	
3	04.00-05.50	T	LAWSON	161	GROSOWSKY
	04.00	W F	LAWSON	161	
206	FOUNDATIONS OF MUS		04.0	CR	
	PREREQ GSC 100 CR CONSENT				
1	08.00	TWTH F	ALTG	116	EDDINS
2	12.00	TWTH F	ALTG	116	FLOYD SAMUEL
207	PHIL OF BEAUTIFUL		03.0	CR	
1	10.00	T TH	LAWSON	151	MCCLURE GEORGE T
	11.00	TH	H EC	202	
2	10.00	T TH	LAWSON	151	MCCLURE GEORGE T
	01.00	TH	PULL	43	
3	10.00	T TH	LAWSON	151	MCCLURE GEORGE T
	09.00	F	H EC	206	
4	10.00	T TH	LAWSON	151	MCCLURE GEORGE T
	10.00	F	PULL	43A	
5	10.00	T TH	LAWSON	151	MCCLURE GEORGE T
	01.00	F	H EC	206	
6	10.00	T TH	LAWSON	151	MCCLURE GEORGE T
	02.00	F	COMM	1020	
7	10.00	T TH	LAWSON	151	MCCLURE GEORGE T
	08.00	M	COMM	1017	
8	10.00	T TH	LAWSON	151	MCCLURE GEORGE T
	12.00	TH	H EC	104	
9	10.00	T TH	LAWSON	151	MCCLURE GEORGE T
	10.00	M	PARK	308	
10	10.00	T TH	LAWSON	151	MCCLURE GEORGE T
	12.00	M	WHAM	305	
11	10.00	T TH	LAWSON	151	MCCLURE GEORGE T
	02.00	TH	0720	104	
12	10.00	T TH	LAWSON	151	MCCLURE GEORGE T
	03.00	TH	WHAM	303	
208	LOGIC AND MEANING		04.0	CR	
1	09.00	M W F	LAWSON	141	EAMES S MORRIS
	02.00	F	AG	154	
2	09.00	M W F	LAWSON	141	EAMES S MORRIS
	03.00	F	AG	116	
3	09.00	M W F	LAWSON	141	EAMES S MORRIS
	10.00	S	AG	224	
4	09.00	M W F	LAWSON	141	EAMES S MORRIS
	08.00	M	H EC	106	
5	09.00	M W F	LAWSON	141	EAMES S MORRIS
	01.00	F	WHAM	208	

6	09.00	M W F	LAWSON	141	EAMES S MORRIS
	10.00		WHAM	321	
7	09.00	M W F	LAWSON	141	EAMES S MORRIS
	11.00		WHAM	201	
8	09.00	M W F	LAWSON	141	EAMES S MORRIS
	12.00		WHAM	201	
9	09.00	M W F	LAWSON	141	EAMES S MORRIS
	04.00		H EC	202	
10	09.00	M W F	LAWSON	141	EAMES S MORRIS
	10.00		H EC	206	
11	09.00	M W F	LAWSON	141	EAMES S MORRIS
	11.00		CL	109	
12	09.00	M W F	LAWSON	141	EAMES S MORRIS
	09.00		S H EC	208	
13	01.00	M W F	LAWSON	141	EAMES ELIZABETH R
	02.00		WHAM	112	
14	01.00	M W F	LAWSON	141	EAMES ELIZABETH R
	03.00		H EC	201	
15	01.00	M W F	LAWSON	141	EAMES ELIZABETH R
	09.00		S 0720	103	
16	01.00	M W F	LAWSON	141	EAMES ELIZABETH R
	10.00		S 0720	103	
17	01.00	M W F	LAWSON	141	EAMES ELIZABETH R
	08.00	M	PULL	41	
18	01.00	M W F	LAWSON	141	EAMES ELIZABETH R
	09.00	M	PULL	43	
19	01.00	M W F	LAWSON	141	EAMES ELIZABETH R
	10.00	M	0861	102	
20	01.00	M W F	LAWSON	141	EAMES ELIZABETH R
	11.00	M	ABBOTT	129	
21	01.00	M W F	LAWSON	141	EAMES ELIZABETH R
	12.00	M	WHAM	208	
22	01.00	M W F	LAWSON	141	EAMES ELIZABETH R
	04.00		H EC	120	
23	01.00	M W F	LAWSON	141	EAMES ELIZABETH R
	10.00	M	H EC	120	
24	01.00	M W F	LAWSON	141	EAMES ELIZABETH R
	11.00	M	H EC	201	
209	MOD LIT FORM IDEA			04.0	CR
	PREREQ GSC 103 OR EQUIV				
1	08.00	MT THF	0720	103	
2	10.00	MT THF	WHAM	307	
	RESTRICTED TO PRES SCHOLARS OR CONS OF D				
	EPT (SECT. 2)				
3	10.00	T TH	WHAM	317	
	10.00	W F	0720	106	
4	12.00	TWTHF	WHAM	307	
5	12.00	MT THF	ABBOTT	129	
6	01.00	T THF	WHAM	307	
	01.00	W	0720	117	
7	01.00	T THF	WHAM	319	
8	02.00	T THF	WHAM	319	
	02.00	M	0720	109	
9	03.00	TWTHF	WHAM	307	
10	03.00	MT THF	WHAM	319	
11	04.00	MT THF	WHAM	319	
12	05.45-07.25	T TH	WHAM	307	
13	05.45-07.25	T TH	WHAM	317	
14	07.35-09.15 PM	M W	WHAM	307	
15	07.35-09.15 PM	T TH	WHAM	307	
210	INTRO TO FICTION			03.0	CR
	PREREQ GSC 103 OR EQUIV				
1	08.00	M W F	PULL	43	
2	09.00	M W F	0720	114	
3	10.00	M W F	WHAM	317	
4	11.00	M W F	WHAM	317	
5	12.00	M WTH	WHAM	317	
6	01.00	TW F	PHY SA	258	
7	01.00	T THF	0720	109	
8	02.00	M WTH	0720	108	

9	02.00	T TH	0871	102	
	02.00	F	0871	101	
RESTRICTED TO PRES SCHOLARS OR CONS OF D					
EPT (SECT. 9)					
10	03.00	M WTH	WHAM	329	
11	03.00	MT TH	PHY SA	458	
12	04.00	M WTH	0720	103	
13	04.00	M WTH	H EC	202	
14	06.00-07.25 PM	M W	H EC	122	
15	06.00-07.25 PM	T TH	H EC	203	
16	07.35-09.00 PM	T TH	H EC	203	
17	07.25-09.00 PM	M W	WHAM	317	
211B	ORIENTAL HUMANITIES		03.0	CR	
1	09.00	M W F	WHAM	308	LIU
215	TYPES OF RELIGION		04.0	CR	
1	12.00	T THF	WHAM	308	HAYWARD
	10.00	W	WHAM	321	SMITH LEMUEL F
2	12.00	T THF	WHAM	308	HAYWARD JOHN F
	11.00	W	WHAM	321	SMITH
3	12.00	T THF	WHAM	308	HAYWARD
	02.00	W	WHAM	321	HAYWARD
4	12.00	T THF	WHAM	308	HAYWARD JOHN F
	04.00	W	WHAM	321	SMITH
310	REL FOUND-WEST CIVIL		03.0	CR	
1	09.00	T TH	LAWSON	141	BARGEBOHR
	10.00	T	WHAM	328	
2	09.00	T TH	LAWSON	141	BARGEBOHR
	11.00	TH	H EC	203	
3	09.00	T TH	LAWSON	141	BARGEBOHR
	01.00	TH	WHAM	305	
4	09.00	T TH	LAWSON	141	BARGEBOHR
	10.00	F	PULL	41	
5	09.00	T TH	LAWSON	141	BARGEBOHR
	11.00	F	PULL	41	
6	09.00	T TH	LAWSON	141	BARGEBOHR
	08.00	F	WHAM	201	
7	09.00	T TH	LAWSON	141	BARGEBOHR
	09.00	F	WHAM	326	
8	09.00	T TH	LAWSON	141	BARGEBOHR
	01.00	F	WHAM	203	
9	09.00	T TH	LAWSON	141	BARGEBOHR
	11.00	M	WHAM	231	
10	09.00	T TH	LAWSON	141	BARGEBOHR
	12.00	M	WHAM	201	
11	09.00	T TH	LAWSON	141	BARGEBOHR
	08.00	T	PULL	43	
12	09.00	T TH	LAWSON	141	BARGEBOHR
	02.00	M	AG	220	
311	PHIL-REL OF INDIA		03.0	CR	
1	02.00	T THF	LAWSON	141	ALLEN DOUGLAS M
317	RECENT AMER LIT		03.0	CR	
	PREREQ	GSC 103	OR EQUIV		
1	08.00	M W F	WHAM	319	
2	09.00	M W F	AG	152	
3	09.00	TW F	0721	102	
4	10.00	T TH	PARK	204	
	10.00	M	LS II	228	
5	11.00	T TH	0871	102	
	11.00	F	PHY SA	278	
6	12.00	M WTH	H EC	120	
7	12.00	M WTH	0871	101	
8	01.00	M WTH	CL	326	
9	02.00	M WTH	GYM	203	
10	03.00	M WTH	TECH A	122	
11	04.00	M WTH	0720	109	
12	07.35-08.50 PM	M W	H EC	102	
13	06.00-07.25 PM	M W	0720	116	
14	03.00	M WTH	PHY SA	253	
325	BLACK AMER WRITERS		03.0	CR	
	PREREQ	GSC 103	OR EQUIVALENT		

1	12.00	M W	LAWSON	201	
	12.00	F	WHAM	301B	
2	12.00	M W	LAWSON	101	
	12.00	F	CL	326	
3	12.00	M W	LAWSON	101	
	12.00	F	AG	150	
330	CLASSICAL MYTHOLOGY		03.0	CR	
1	02.00	M WTH	PULL	38	O'BRIEN JOAN V
333	BIBLE AS LITERATURE		03.0	CR	
1	01.00	M W	WHAM	308	BARGEBUHR
	10.00	F	H EC	102	SMITH
2	01.00	M W	WHAM	308	BARGEBUHR
	11.00	F	WHAM	203	BARGEBUHR
3	01.00	M W	WHAM	308	BARGEBUHR
	02.00	F	WHAM	328	SMITH
4	01.00	M W	WHAM	308	BARGEBUHR
	03.00	F	CL	326	SMITH
341	MODERN ART B-20 CEN		03.0	CR	
1	08.00	M W F	LAWSON	171	COLBERT CHARLES D
345A	WORLD LITERATURE		03.0	CR	
	PREREQ GSC 103 OR EQUIV				
1	09.00	T TH	WHAM	205	
	09.00	F	WHAM	210	
2	10.00	M W F	WHAM	319	
3	11.00	M W	PULL	41	
	11.00	F	WHAM	202	
4	12.00	TW F	TECH A	120	
345C	WORLD LITERATURE		03.0	CR	
	PREREQ GSC 103 OR EQUIV				
1	08.00	MT TH	0720	104	
2	09.00	T	LS II	228	
	09.00	W	0720	106	
	09.00	F	LS II	130	
3	02.00	M WTH	0720	103	
4	03.00	M WTH	0720	108	
5	06.00-07.15 PM	M W	0721	102	
6	07.35-08.50 PM	M W	H EC	201	
348	PHOTOGRAPHY AS COMM		03.0	CR	
1	03.00	M WTH	LAWSON	151	HORRELL
351A	MASTERPIECES NOVEL		03.0	CR	
	PREREQ GSC 103 OR EQUIV				
1	03.00	T THF	0720	102	
2	04.00	T THF	GYM	204	
351B	MASTERPIECES NOVEL		03.0	CR	
	PREREQ GSC 103 OR EQUIV				
1	09.00	T TH	CL	109	
	09.00	F	WHAM	317	
2	12.00	M W F	WHAM	312	
3	02.00	M W F	TECH A	208	
4	06.00-07.15 PM	T TH	0720	103	
354A	HISTORY OF THEATRE		03.0	CR	
1	12.00	T THF	LAWSON	201	KOZLENKO W
363A	PHIL OF SCIENCE		03.0	CR	
1	11.00	M W F	H EC	208	AUDI
365	SHAKESPEARE		03.0	CR	
	PREREQ GSC 103 OR EQUIV				
1	10.00	M W	0875	101	
	10.00	F	0720	105	
2	11.00	T TH	0720	117	
	11.00	F	0720	107	
3	12.00	TW F	WHAM	305	
4	02.00	TW	0720	104	
	02.00	F	0720	103	
370A	AMER MUS FOLK		03.0	CR	
	PREREQ GSC 100 OR EQUIVALENT				
1	01.00	M W F	ALTS	115	BRANCH LONDON F
370B	AMER MUS JAZZ		03.0	CR	
	PREREQ GSC 100 OR EQUIVALENT				
1	09.00	M W F	ALTS	115	BRANCH LONDON E
2	11.00	M W F	ALTS	115	BRANCH

332	GRAECO-ROM MED PHIL		03.0 CR	
1	08.00	M W F	H EC	208 DEMATTEIS
2	12.00	M W F	H EC	208 CLARKE DAVID S
3	01.00	M W F	H EC	208 DIEFENBECK JAMES A
4	02.00	M W F	H EC	208 DEMATTEIS
5	03.00	M W F	H EC	208 KELLY MATTHEW
386	EARLY AMER PHIL		03.0 CR	
1	02.00	M W F	LAWSUN	151 HAHN

General Studies Area D—Organization and Communication of
Ideas (GSD)

101	ENGLISH COMPOSITION		03.0 CR	
1	08.00	M W F	0720	106
2	08.00	MT TH	0720	107
3	09.00	M W	AG	150
	09.00	F	H EC	102
4	09.00	M	0721	102
	09.00	T TH	PARK	301
5	09.00	T TH	LS II	250
	09.00	F	WHAM	303
6	10.00	M W F	H EC	122
7	10.00	M W F	LS II	250
8	11.00	M W F	GYM	203
9	11.00	M W F	AG	224
10	12.00	MT TH	PULL	39
11	12.00	M W F	0861	101
12	01.00	MT TH	0862	102
13	01.00	MT TH	GYM	203
14	01.00	MT TH	PIERCE	130
15	01.00	M W F	0720	114
16	02.00	MT TH	0862	102
17	02.00	TH	PARK	301
	02.00	T	WHLR	212
	02.00	M	0720	101
18	02.00	T	WHAM	305
	02.00	W	WHAM	312
	02.00	F	WHAM	303
19	03.00	W F	WHAM	305
	03.00	TH	WHAM	321
20	03.00	M	H EC	104
	03.00	T TH	0720	116
21	03.00	MT TH	0720	107
22	03.00	T THF	0720	101
23	04.00	MT TH	0720	102
24	04.00	MT TH	0720	101
25	06.00-07.15 PM	M W	0721	101
26	06.00-07.25 PM	T TH	0720	109
27	06.00-07.25 PM	M W	0720	109
28	06.00-07.25 PM	T TH	AC	224
29	07.35-08.50 PM	M W	0875	102
30	07.35-09.00 PM	T TH	0720	109
102	ENGLISH COMPOSITION		03.0 CR	
	PREREQ	GSD 101 CR	THE APPROPRIATE ACT	
		SCORE		
1	08.00	M W F	0720	114
2	08.00	MT TH	WHAM	312
3	08.00	M W F	0871	102
4	08.00	T THF	0720	117
5	08.00	M W F	0720	116
6	08.00	F	0720	104
	08.00	T TH	0720	116
7	08.00	M W F	0871	101
8	08.00	T TH	0871	101
	08.00	M	0720	102
9	08.00	T THF	0720	118
10	08.00	MT TH	0721	102
11	09.00	T	ARENA	123
	09.00	W	H EC	208
	09.00	F	H EC	120

12	09.00	T	0720	108
	09.00	TH	0871	101
	09.00	M	WHLR	207
13	09.00	M W F	0720	101
14	09.00	M W F	0721	101
15	09.00	T THF	0861	101
16	09.00	M W F	0871	101
17	09.00	T TH	0720	101
	09.00	F	BAILEY	130
18	09.00	T THF	PHY SA	258
19	10.00	T TH	0871	102
	10.00	F	0720	107
20	10.00	MT TH	0720	102
21	10.00	M W F	0875	102
22	10.00	T TH	0875	102
	10.00	F	0720	101
23	10.00	M W F	0720	116
24	10.00	MT TH	0720	106
25	10.00	M W F	0871	101
26	10.00	T TH	0721	101
	10.00	M	PARK	111
27	10.00	F	WHAM	228
	10.00	W	0720	108
	10.00	T	0720	103
28	11.00	M W	0720	108
	11.00	F	0720	101
29	11.00	T TH	0720	105
	11.00	F	WHAM	210
30	11.00	M W F	0875	102
31	11.00	T TH	0875	102
	11.00	F	0862	101
32	11.00	M W F	0720	116
33	11.00	MT TH	0720	102
34	11.00	M W F	0871	101
35	11.00	TW	0720	103
	12.00	F	H EC	206
36	12.00	M W F	0720	105
37	12.00	T TH	0720	105
	12.00	F	0720	108
38	12.00	M WTH	0720	118
39	12.00	MT TH	0720	114
40	12.00	MT TH	H EC	122
41	12.00	T TH	0720	107
	12.00	M	0720	102
42	12.00	M WTH	0875	102
43	12.00	M WTH	0720	116
44	01.00	T TH	0720	105
	01.00	F	WHAM	112
45	01.00	T	0721	102
	01.00	M TH	0862	101
46	01.00	TW F	0862	101
47	01.00	M W	0720	109
	01.00	TH	WHAM	317
48	01.00	MT TH	0875	102
49	01.00	T	0720	103
	01.00	W F	0875	102
50	01.00	M W F	0720	107
51	01.00	MT TH	0871	101
52	02.00	T	0720	106
	02.00	W F	0720	105
53	02.00	M WTH	0862	101
54	02.00	M	WHAM	321
	02.00	T TH	H EC	120
55	02.00	M WTH	0861	102
56	02.00	M W F	0875	102
57	02.00	W	0861	101
	02.00	T F	0861	102
58	03.00	M W F	0720	105
59	03.00	MT TH	0862	101
60	03.00	M W F	WHAM	321
61	03.00	M WTH	0875	102

62	03.00	T	0875	102
	03.00	W F	0861	102
63	03.00	MT TH	0861	102
64	03.00	M WTH	0871	101
65	03.00	T F	0871	101
	03.00	W	0720	117
66	04.00	M W F	0720	105
67	04.00	MT TH	0862	101
68	04.00	M W F	COMM	1006
69	04.00	MT TH	0720	106
70	04.00	M WTH	0875	102
71	04.00	T	0875	102
	04.00	W F	0720	108
72	04.00	MT TH	COMM	1021
73	04.00	M WTH	0871	101
74	04.00	T F	0871	101
	04.00	W	0720	116
75	06.00-07.15	PM T TH	0720	105
76	06.00-07.15	PM M W	0720	103
77	06.00-07.15	PM T TH	0720	116
78	06.00-07.15	PM M W	0720	108
79	06.00-07.15	PM M W	0862	101
80	06.00-07.15	PM T TH	0720	104
81	06.00-07.15	PM M W	H EC	118
82	06.00-07.15	PM T TH	0720	101
83	07.35-08.50	PM T TH	0720	105
84	07.35-08.50	PM M W	0720	108
85	07.35-08.50	PM T TH	0720	114
86	07.35-08.50	PM T TH	0720	108
87	07.35-08.50	PM M W	0720	103
88	07.35-08.50	PM T TH	0862	101
89	07.35-08.50	PM M W	H EC	118
90	07.35-08.50	PM T TH	0720	104
91	08.00	M	0720	109
	08.00	T TH	0720	102
92	08.00	M W F	ABDJTT	129
93	11.00	T TH	GYM	203
	11.00	F	WHLR	214
94	12.00	T TH	0862	102
	12.00	F	0720	116
95	01.00	MT TH	0720	102
96	02.00	T	AG	150
	02.00	W F	0720	109
97	06.00-07.25	PM M W	0720	105
98	07.35-09.00	PM M W	0720	109
99	07.35-09.00	PM M W	0720	105
100	07.35-09.00	PM T TH	AG	224
101	10.00	M W F	0721	101
103	ORAL COMM OF IDEAS		03.0	CR
1	08.00	M W F	AG	222
	01.00	TH	COMM	1018
2	08.00	M W F	PULL	43A
	01.00	TH	LAWSON	101
3	08.00	M W F	WHAM	305
	01.00	TH	COMM	1022
4	08.00	T TH S	AG	222
	12.00	TH	COMM	1018
5	08.00	T THF	COMM	1017
	12.00	TH	LAWSON	101
6	08.00	T TH	WHAM	305
	08.00	F	COMM	1020
	12.00	TH	COMM	1022
7	09.00	M W F	AG	222
	01.00	TH	COMM	1018
8	09.00	M W F	PULL	41
	01.00	TH	LAWSON	101
9	09.00	M W F	WHAM	305
	01.00	TH	COMM	1022
10	09.00	M W F	COMM	1021
	01.00	TH	COMM	1021

11	09.00	T TH S	AG	222
	12.00	TH	COMM	1018
12	09.00	F	COMM	1017
	09.00	T TH	LS II	430
	12.00	TH	LAWSON	101
13	09.00	T TH	AG	188
	09.00	F	WHAM	321
	12.00	TH	COMM	1021
14	09.00	T TH	WHAM	305
	09.00	F	COMM	1020
	12.00	TH	COMM	1022
15	10.00	MT TH	AG	222
	08.00	TH	COMM	1018
16	10.00	T TH S	AG	168
	08.00	TH	LAWSON	101
17	10.00	MT TH	WHAM	305
	08.00	TH	H EC	201
18	10.00	W F	AG	222
	10.00	T	COMM	1021
	09.00	TH	COMM	1018
19	10.00	W	COMM	1020
	10.00	FS	COMM	1017
	09.00	TH	LAWSON	101
20	10.00	W FS	WHAM	305
	09.00	TH	COMM	1022
21	10.00	M W	COMM	1017
	10.00	F	WHAM	301B
	09.00	TH	H EC	201
22	11.00	MT TH	AG	222
	08.00	TH	COMM	1018
23	11.00	T TH S	LS II	330
	08.00	TH	LAWSON	101
24	11.00	MT TH	WHAM	305
	08.00	TH	COMM	1022
25	11.00	MT TH	WHAM	321
	08.00	TH	H EC	201
26	11.00	W F	AG	222
	11.00	T	COMM	1021
	09.00	TH	COMM	1018
27	11.00	W	COMM	1020
	11.00	FS	COMM	1017
	09.00	TH	LAWSON	101
28	11.00	W FS	WHAM	305
	09.00	TH	COMM	1022
29	11.00	M W	COMM	1017
	11.00	F	WHLR	207
	09.00	TH	H EC	201
30	01.00	M W F	AG	148
	09.00	TH	COMM	1021
31	01.00	TWTH	AG	222
	10.00	TH	COMM	1018
32	01.00	M W F	COMM	1017
	10.00	TH	LAWSON	101
33	01.00	M W F	WHAM	305
	10.00	TH	COMM	1022
34	02.00	M W F	PIERCE	130
	01.00	TH	COMM	1021
RESTRICTED TO PRESIDENT SCHOLARS (SECT. 34)				
35	02.00	M	TECH A	120
	09.00	TH	COMM	1021
	02.00	W F	AG	148
36	02.00	TWTH	AG	222
	10.00	TH	COMM	1018
37	02.00	M W F	FELTS	130
	10.00	TH	H EC	118
38	02.00	M W F	WHAM	305
	10.00	TH	COMM	1022
39	03.00	M	COMM	1017
	03.00	W F	LS II	228
	01.00	TH	COMM	1021

40	03.00	M W F	AG	150
	11.00	TH	COMM	1018
41	03.00	T THF	AG	188
	11.00	TH	LAWSON	101
42	03.00	M W F	PULL	43A
	11.00	TH	COMM	1021
43	03.00	MT TH	WHAM	305
	11.00	TH	COMM	1022
44	04.00	M W F	AG	150
	11.00	TH	COMM	1018
45	04.00	T THF	AG	188
	11.00	TH	LAWSON	101
46	04.00	M W F	PULL	43A
	11.00	TH	COMM	1021
47	04.00	MT TH	WHAM	305
	11.00	TH	COMM	1022
48	06.00-07.25 PM	M W	COMM	1020
	08.00	TH	COMM	1021
49	06.00-07.25 PM	T TH	COMM	1020
	10.00	TH	COMM	1021
50	06.00-07.25 PM	M W	COMM	1022
	09.00	TH	H EC	118
51	06.00-07.25 PM	M W	COMM	1006
	10.00	TH	H EC	201
52	06.00-07.25 PM	M W	COMM	1018
	11.00	TH	H EC	201
53	06.00-07.25 PM	T TH	COMM	1006
	12.00	TH	H EC	201
54	06.00-07.25 PM	T TH	COMM	1022
	01.00	TH	H EC	118
55	07.35-09.00 PM	M W	COMM	1020
	08.00	TH	COMM	1021
56	07.35-09.00 PM	T TH	COMM	1020
	10.00	TH	COMM	1021
57	07.35-09.00 PM	M W	COMM	1022
	09.00	TH	H EC	118
58	07.35-09.00 PM	M W	COMM	1016
	10.00	TH	H EC	201
59	07.35-09.00 PM	T TH	COMM	1006
	12.00	TH	H EC	201
60	07.35-09.00 PM	T TH	COMM	1022
	01.00	TH	H EC	118
106	INTERMED ALGEBRA		00.0 CR	
1	08.00	MTW	AG	148
	08.00	TH	AG	144
2	10.00	MT TH	AG	116
	10.00	S	AG	154
3	12.00	MTWTH	PHY SA	160
4	03.00	M WTH	PARK	111
	03.00	T	PARK	204
5	04.00	MTWTH	TECH A	422
6	05.45-07.25	T TH	TECH A	422
107	BASIC COLLEGE MATH		05.0 CR	
	PREREQ GSD 106 CR 1 YR H.S. ALGEBRA			
1	08.00	TWTHFS	0861	101
2	08.00	MTWTHF	0862	101
3	09.00	M W F	AG	116
	09.00	T TH	AG	144
4	09.00	W FS	AG	154
	09.00	T TH	AG	214
5	10.00	MTWTHF	BROWN	130
6	11.00	MT THFS	0861	102
7	12.00	MTWTHF	TECH A	208
8	12.00	MTWTHF	LS I	16
9	12.00	MTWTHF	LS I	205
10	01.00	MTWTHF	0861	102
11	02.00	M W F	LS II	146
	02.00	T TH	LS II	450
12	02.00	MTWTHF	AG	216
13	03.00	MTWTHF	LS I	16
14	06.00-07.15 PM	M WTH	PHY SC	118

15	07.35-08.50 PM	M WTH	PHY SC	118	
109	ELEMENTS OF PROBAB		03.0 CR		
	PREREQ GSD 107				
1	08.00	M W	PHY SC	116	
	08.00	F	TECH A	308	
2	09.00	M W	TECH A	410	
	09.00	TH	TECH A	420	
3	10.00	T TH S	TECH A	408	
4	11.00	MT	TECH A	210	
	11.00	TH	PHY SA	156	
5	12.00	TW F	TECH A	408	
6	01.00	T THF	TECH A	208	
7	02.00	M	TECH A	210	
	02.00	T TH	TECH A	410	
8	03.00	F	TECH A	408	
	03.00	T TH	TECH A	422	
9	04.00	M W F	TECH A	210	
10	06.00-07.15 PM	T TH	TECH A	410	
11	07.35-08.50 PM	T TH	TECH A	410	
110	ECON-BUS STATISTICS		03.0 CR		
	PREREQ GSD 108B, 114B, CR		EQUIV		
1	08.00	M W F	LS I	133	MARTINSEK
2	06.00-07.25 PM	M W	LAWSON	151	STOWE
1205	ELEMENTARY CHINESE		03.0 CR		
	PREREQ GSD 120A				
1	10.00	M W F	0871	102	TAI
	10.00	T	0720	121	
123A	ELEMENTARY FRENCH		03.0 CR		
1	08.00	M	PARK	309	
	08.00	T	WHLR	18	
	08.00	WTH	WHLR	207	
2	09.00	T TH	0720	114	
	09.00	W	WHLR	212	
	09.00	M	WHLR	18	
3	09.00	T TH	0875	102	
	09.00	F	WHLR	107	
	09.00	M	WHLR	18	
4	11.00	F	WHAM	321	
	11.00	T TH	BAILEY	130	
	11.00	W	WHLR	18	
5	11.00	T THF	WHLR	107	
	11.00	W	WHLR	18	
6	12.00	M W F	H EC	104	
	12.00	S	WHLR	18	
7	12.00	M W F	WHLR	107	
	12.00	S	WHLR	18	
8	03.00	T	PIERCE	130	
	03.00	M	WHLR	18	
	03.00	THF	H EC	104	
9	06.00-07.25 PM	M W	WHLR	207	
	05.00	W	WHLR	18	
	SEE FR LISTING FOR FR CONVERSATION				
123B	ELEMENTARY FRENCH		03.0 CR		
	PREREQ GSD 123A				
1	08.00	M W F	WHLR	113	
	08.00	T	WHLR	18	
2	08.00	M W F	LS I	323	
	08.00	T	WHLR	18	
3	09.00	T TH S	WHLR	207	
	09.00	W	WHLR	18	
4	10.00	W F	WHLR	113	
	10.00	M	WHLR	18	
	10.00	T	WHLR	212	
5	10.00	T TH S	WHLR	113	
	10.00	M	WHLR	18	
6	11.00	F	WHAM	301B	
	11.00	M	WHLR	18	
	11.00	W	WHAM	203	
	11.00	T	WHAM	319	
7	12.00	M W F	WHLR	113	
	12.00	T	WHLR	18	

8	01.00	M		AG	168
	01.00		F	AG	154
	01.00	W		WHLR	18
	01.00	TH		AG	116
9	01.00	TH		H EC	120
	01.00	W		WHLR	18
	01.00	M		AG	222
	01.00	T		H EC	120
10	02.00	WTH		WHLR	214
	02.00		F	WHLR	18
	02.00	M		PARK	111
11	02.00	M		WHLR	113
	02.00	T TH		WHLR	207
	02.00		F	WHLR	18
12	03.00	T F		H EC	120
	03.00	W		WHLR	18
	03.00	M		WHAM	112
13	03.00	T THF		WHLR	113
	03.00	M		WHLR	18
14	04.00	M W F		WHLR	207
	04.00	TH		WHLR	18
15	04.00	MT TH		WHLR	113
	04.00	W		WHLR	18
16	06.00-07.25 PM	T TH		WHLR	207
	05.00	T		WHLR	18
17	06.00-07.25 PM	M W		0720	101
	05.00	W		WHLR	18
SEE FR LISTING FOR FR CONVERSATION					
123C	ELEMENTARY FRENCH			03.0 CR	
	PREREQ GSD 123B				
1	04.00	M W F		0720	117
	04.00	TH		WHLR	18
SEE FR LISTING FOR FR CONVERSATION					
2	03.00	T THF		PARK	309
	03.00	W		WHLR	18
3	09.00	M F		GYM	203
	09.00	T		LS I	16
	09.00	W		WHLR	18
126A	ELEMENTARY GERMAN			03.0 CR	
1	08.00	MT F		WHLR	207
	08.00	W		WHLR	18
2	11.00	M W F		WHLR	212
	11.00	TH		WHLR	18
3	12.00	TW F		0871	102
	12.00	M		WHLR	18
4	01.00	M F		PHY SA	156
	01.00	T		WHLR	18
	01.00	W		WHAM	321
5	06.00-07.25 PM	T TH		WHLR	212
	05.00	TH		WHLR	18
SEE GER LISTING FOR GER CONVERSATION					
126B	ELEMENTARY GERMAN			03.0 CR	
	PREREQ GSD 126A				
1	08.00	M W F		WHLR	212
	08.00	TH		WHLR	18
SECT 1 MUST ENROLL IN GER 126B SECT 1					
2	08.00	M W F		H EC	104
	08.00	TH		WHLR	18
3	09.00	M W F		WHLR	214
	09.00	S		WHLR	18
4	09.00	M W F		0871	102
	09.00	S		WHLR	18
5	10.00	M W F		WHLR	212
	10.00	TH		WHLR	18
6	11.00	M W F		0871	102
	11.00	TH		WHLR	18
7	12.00	MT F		WHLR	212
	12.00	W		WHLR	18
8	01.00	T		0720	114
	01.00	W F		0720	102
	01.00	TH		WHLR	18

9	01.00	M W F	0371	102	
	01.00	TH	WHLR	18	
10	02.00	M W F	H EC	104	
	02.00	TH	WHLR	18	
11	02.00	M W F	WHLR	203	
	02.00	TH	WHLR	18	
12	03.00	M W F	WHLR	212	
	03.00	T	WHLR	18	
13	03.00	M W F	GYM	204	
	03.00	T	WHLR	18	
14	04.00	M W F	WHLR	212	
	04.00	T	WHLR	18	
15	06.00-07.25 PM	M W	WHLR	212	
	07.35-08.25 PM	W	WHLR	18	
SEE GER LISTING FOR GER CONVERSATION					
126C	ELEMENTARY GERMAN		03.0 CR		
	PREREQ	GSD 126B			
1	04.00	M W F	WHLR	107	
	04.00	T	WHLR	18	
SEE GER LISTING FOR GER CONVERSATION					
2	12.00	MT TH	PARK	301	
	12.00	W	WHLR	18	
130B	ELEM CLASSICAL GRK		03.0 CR		
	PREREQ	GSD 130A			
1	10.00	M W F	PULL	43	O'BRIEN JOAN V
133B	ELEMENTARY LATIN		03.0 CR		
	PREREQ	GSD 133A			
1	01.00	T TH	WHAM	312	SPECK
	01.00	F	AG	213	SHELBY THOMAS M
135B	ELEM PORTUGUESE		03.0 CR		
	PREREQ	GSD 135A			
1	09.00	M F	COMM	1021	
	09.00	TH	WHLR	18	
	09.00	W	PHY SA	278	
SEE PORT LISTING FOR PORT CONVERSATION					
136A	ELEMENTARY RUSSIAN		03.0 CR		
1	01.00	W F	LS I	323	
	01.00	M	WHLR	18	
	01.00	T	PULL	43	
SEE RUSS LISTING FOR RUSS CONVERSATION					
136B	ELEMENTARY RUSSIAN		03.0 CR		
	PREREQ	GSD 136A			
1	11.00	M W	WHLR	207	
	11.00	S	WHLR	18	
	11.00	T	WHLR	113	
2	10.00	M W	H EC	208	
	10.00	F	WHLR	107	
	10.00	T	WHLR	18	
3	02.00	W F	AG	214	
	02.00	M	WHLR	18	
	02.00	T	AG	220	
4	06.00-07.25 PM	M W	H EC	104	
	07.35-08.25 PM	M	WHLR	18	
140A	ELEMENTARY SPANISH		03.0 CR		
1	08.00	M W F	WHLR	214	
	08.00	S	WHLR	18	
2	08.00	MT TH	GYM	203	
	08.00	S	WHLR	18	
3	09.00	M W	TECH A	208	
	09.00	T	WHLR	18	
	09.00	F	WHLR	113	
4	09.00	MT TH	BAILEY	130	
	09.00	T	WHLR	18	
SEE SPAN LISTING FOR SPAN CONVERSATION					
5	10.00	M W F	WHLR	214	
	10.00	S	WHLR	18	
6	11.00	T TH	PIERCE	130	
	11.00	M	0720	117	
	11.00	F	WHLR	18	
7	02.00	MT F	WHLR	214	
	02.00	W	WHLR	18	

8	02.00	M		GYM	204		
	02.00	T	F	WHLR	107		
	02.00		W	WHLR	18		
9	03.00	M	W	F	WHLR	214	
	03.00		TH	WHLR	18		
10	04.00	M	WTH	PULL	43		
	04.00			F	WHLR	18	
11	06.00-07.25 PM	M	W	GYM	203		
	05.00	M		WHLR	18		
12	12.00	MT	TH	AG	116		
	12.00			F	WHLR	18	
140B ELEMENTARY SPANISH					03.0 CR		
	PREREQ	GSD 140A	CR EQUIVALENT				
1	09.00		TWTH	AG	216		
	09.00			F	WHLR	18	
2	08.00		TW	PULL	39		
	08.00	M		WHLR	18		
	08.00			F	PULL	41	
3	08.00		TW	F	PARC	309	
	08.00	M		WHLR	18		
4	09.00		T	TH	S	0861	102
	09.00			F	WHLR	18	
5	10.00		T	TH	0861	102	
	10.00	M			0720	117	
	10.00			F	WHLR	18	
6	10.00	MT	TH	0720	118		
	10.00			F	WHLR	18	
7	11.00	M	W	F	0720	104	
	11.00		T	WHLR	18		
8	11.00		W	WHLR	107		
	11.00		TH	S	WHLR	214	
	11.00		T	WHLR	18		
9	11.00	MT	TH	0720	118		
	11.00			F	WHLR	18	
10	12.00	M	W	AG	144		
	12.00		TH	WHLR	18		
	12.00			F	AG	152	
11	12.00	M	W	F	WHLR	214	
	12.00		TH	WHLR	18		
12	01.00	MT	TH	WHLR	214		
	01.00			F	WHLR	18	
13	01.00	MT		PULL	41		
	01.00		TH	WHLR	113		
	01.00			F	WHLR	18	
14	02.00	M		0720	118		
	02.00		W	H EC	122		
	02.00		T	WHLR	18		
	02.00		TH	AG	170		
15	02.00	M	W	F	COMM	2012	
	02.00		T	WHLR	18		
16	02.00	MT		PULL	39		
	02.00		W	WHLR	18		
	02.00		TH	WHAM	305		
17	03.00	MT	TH	0720	118		
	03.00			F	WHLR	18	
18	03.00	MT	TH	AG	222		
	03.00			F	WHLR	18	
19	03.00	M		F	PULL	41	
	03.00		T	PULL	39		
	03.00		TH	WHLR	18		
20	04.00		TW	F	H EC	104	
	04.00	M		WHLR	18		
21	04.00		T	THF	H EC	118	
	04.00	M		WHLR	18		
22	06.00-07.25 PM		T	TH	WHLR	214	
	07.35-08.25 PM		T	WHLR	18		
23	06.00-07.25 PM	M	W	WHLR	214		
	05.00	M		WHLR	18		
24	07.35-09.00 PM	M	W	WHLR	207		
	06.00	PM	W	WHLR	18		

SEE SPAN LISTING FOR SPAN CONVERSATION

140C	ELEMENTARY SPANISH	03.0 CR			
	PREREQ GSD 140B CR EQLVALENT				
1	10.00	TW F	0720	117	
	10.00	S	WHLR	18	
2	12.00	M WTH	WHAM	328	
	12.00	F	WHLR	18	
3	12.00	M WTH	PULL	43A	
	12.00	F	WHLR	18	
4	06.00-07.25 PM	T TH	H EC	122	
	07.35-08.25 PM	T	WHLR	18	
	SEE SPAN LISTING FOR SPAN CONVERSATION				
5	04.00	M WTH	H EC	206	
	04.00	F	WHLR	18	
144B	ELEMENTARY ITALIAN	03.0 CR			
	PREREQ GSD 144A				
1	09.00	M F	H EC	122A	
	09.00	TH	WHLR	18	
	09.00	W	WHAM	329	
2	01.00	T TH	WHAM	231	PARISH PAOLA P
	01.00	F	WHAM	301A	PARISH PAOLA P
	01.00	M	WHLR	18	PARISH PAOLA P
3	06.00-07.25 PM	T TH	WHLR	113	
	07.35-08.25 PM	TH	WHLR	18	
210E	UNCOM LANG- SWAHILI	05.0 CR			
	PREREQ GSD 210D CR EQLVALENT				
1	11.00	MTWTHF	TECH A	120	CARRELL PATRICIA L
	09.00	W	0720	121	CARRELL PATRICIA L
210H	UNCOM LANG- VIETNAM	05.0 CR			
	PREREQ GSD 210G CR EQLVALENT				
1	08.00	MTWTHF	WOODY	3302	HOA NGUYEN DINH
	11.00	MTWTHF	WOODY	3302	HOA NGUYEN DINH
210K	SERBO-CROATIAN	05.0 CR			
	PREREQ GSD 210J				
1	03.00	MTWTHF	WHLR	207	
	LAB - TRA				

General Studies Area E—Health and Physical Development (GSE)

1003	RESTRICTED P E	01.0 CR			
1	10.00	M W F	ARENA	555	OKITA TED Y
2	11.00	M W F	ARENA	555	OKITA TED Y
3	11.00	T TH	ARENA	555	GREENE NORMAN C
	08.00	T	LAWSON	151	ACKERMAN KENNETH J
101A	SWIMMING-BEGINNING	01.0 CR			
1	10.00-10.40	M W F	PULL	11	
2	10.40-11.20	M W F	PULL	11	
3	11.20-12.00	M W F	PULL	11	
4	12.00	M W F	PULL	11	
5	08.00	T TH S	PULL	11	
101B	SWIMMING - INTERMED	01.0 CR			
1	10.00-11.50	T TH	YMCA	7663	
2	02.00-03.50	M W	YMCA	7663	
	BUS LEAVES FOR YMCA POOL FROM U-CNTR AT 5 MIN AFTER HR				
3	12.00	T TH	PULL	11	
102	PHYSICAL FITNESS	02.0 CR			
1	08.00	M F	ARENA	555	
	09.00	W	PARK	124	ACKERMAN KENNETH J
2	09.00	T TH	PULL	103	
	08.00	T	LAWSON	151	ACKERMAN KENNETH J
3	08.00	W S	ARENA	555	
	09.00	W	PARK	124	ACKERMAN KENNETH J
4	08.00	M F	ARENA	555	
	09.00	W	PARK	124	ACKERMAN KENNETH J
5	08.00	T	LAWSON	151	ACKERMAN KENNETH J
	09.00	T TH	ARENA	555	
6	09.00	M F	ARENA	555	
	09.00	W	PARK	124	ACKERMAN KENNETH J
7	09.00	T TH	ARENA	555	
	11.00	TH	LAWSON	171	ACKERMAN KENNETH J
8	09.00	W S	ARENA	555	
	08.00	T	LAWSON	151	ACKERMAN KENNETH J

9	10.00	M F	ARENA	555	
	11.00	TH	LAWSON	171	ACKERMAN KENNETH J
10	10.00	T TH	ARENA	555	
	09.00	W	PARK	124	ACKERMAN KENNETH J
11	10.00	W S	ARENA	555	
	08.00	T	LAWSON	151	ACKERMAN KENNETH J
12	10.00	T TH	ARENA	555	
	12.00	F	LS I	133	ACKERMAN KENNETH J
13	11.00	M F	ARENA	555	
	11.00	TH	LAWSON	171	ACKERMAN KENNETH J
14	11.00	T TH	PULL	103	
	12.00	F	LS I	133	ACKERMAN KENNETH J
15	11.00	W S	ARENA	555	
	08.00	T	LAWSON	151	
16	11.00	TH	LAWSON	171	ACKERMAN KENNETH J
	08.00	T TH	ARENA	555	
17	11.00	TH	LAWSON	171	ACKERMAN KENNETH J
	12.00	T F	ARENA	555	
18	12.00	M W	ARENA	555	
	12.00	F	LS I	133	ACKERMAN KENNETH J
19	01.00	M W	ARENA	555	
	03.00	T	LAWSON	151	ACKERMAN KENNETH J
20	01.00	T TH	PULL	103	
	03.00	T	LAWSON	151	ACKERMAN KENNETH J
21	01.00	M W	ARENA	555	
	12.00	F	LS I	133	ACKERMAN KENNETH J
22	01.00	T F	ARENA	555	
	03.00	T	LAWSON	151	ACKERMAN KENNETH J
23	02.00	M W	ARENA	555	
	12.00	F	LS I	133	ACKERMAN KENNETH J
24	02.00	T F	ARENA	555	
	03.00	T	LAWSON	151	ACKERMAN KENNETH J
25	02.00	M W	ARENA	555	
	03.00	T	LAWSON	151	ACKERMAN KENNETH J
26	02.00	T F	ARENA	555	ACKERMAN KENNETH J
	11.00	TH	LAWSON	171	ACKERMAN KENNETH J
27	03.00	T	LAWSON	151	ACKERMAN KENNETH J
	12.00	M W	ARENA	555	
28	03.00	T	LAWSON	151	ACKERMAN KENNETH J
	05.30-05.30	T TH	PULL	102	
103A	SQ AND SOC DANCE			01.00 CR	
1	10.00	T TH S	GYM	114	
2	04.00-05.30	M W	GYM	114	
3	04.00-05.30	T TH	GYM	206	
4	06.00-07.30 PM	T TH	GYM	114	
5	06.00-07.30 PM	M W	GYM	114	
	CROSSLISTED-ALL SECTIONS WITH GSE 113A				
6	11.00-12.30	T TH	GYM	114	
104C	ACTIVITY-BASKETBALL			01.00 CR	
1	08.00	M W F	ARENA	555	
2	08.00	T TH S	ARENA	555	
3	08.00	M W F	PULL	103	
4	08.00-09.30	T TH	PULL	103	
5	08.40-09.30	M W F	ARENA	555	
6	08.40-09.30	T TH S	ARENA	555	
7	09.20-10.10	M W F	ARENA	555	JONES RICHARD C
8	09.20-10.10	T TH S	ARENA	555	
9	10.00	M W F	ARENA	555	JONES RICHARD C
10	10.00	T TH S	ARENA	555	HOLDER LYNN C
11	01.00	M W F	ARENA	555	HOLDER LYNN C
104D	ACTIVITY-BOWLING			01.00 CR	
1	08.00	MT TH	U CTR	48	
2	08.00	W FS	U CTR	48	
3	09.00	MT TH	U CTR	48	MAZIE ROBERT
4	09.00	W FS	U CTR	48	
5	10.00	MT TH	U CTR	48	HARTZOG LEWIS B
6	10.00	W FS	U CTR	48	
7	11.00	MT TH	U CTR	48	HARTZOG LEWIS B
8	11.00	W FS	U CTR	48	
9	12.00	M W F	U CTR	48	GURLEY HARRY
10	12.00-01.30	T TH	U CTR	48	MAZIE ROBERT

11	01.00	M W F	U CTR	48	GURLEY HARRY
12	01.30-03.00	T TH	U CTR	48	MAZIE ROBERT
13	02.00	M W F	U CTR	48	
14	03.00	M W F	U CTR	48	
15	03.00-04.30	T TH	U CTR	48	
16	04.00	M W F	U CTR	48	
FEE REQUIRED					
104F	ACTIVITY-SOCCER			01.0 CR	
1	01.00	M W F	ARENA	555	
104R	ACTIVITY-STUNTS			01.0 CR	
1	10.00	M W TH	ARENA	555	
2	11.00	M W TH	ARENA	555	
104S	ACTIVITY-GYMNASTICS			01.0 CR	
1	11.00	M W TH	ARENA	555	
2	12.00	M W F	ARENA	555	
104U	ACTIVITY-WRESTLING			01.0 CR	
1	12.00-01.30	T F	ARENA	555	
2	12.00-01.30	M W	ARENA	555	
3	01.00-02.30	T F	ARENA	555	
104W	ACTIVITY-JUDO			01.0 CR	
1	11.00-12.30	T TH	ARENA	555	FRANKLIN C C JR
105	WEIGHT CONTROL			01.0 CR	
PREREQ CONSENT OF INSTR					
1	09.00	M W F	ARENA	555	KNOWLTON RONALD G
110B	RESTRICTED P E			01.0 CR	
1	03.00	M W F	GYM	114	COTTEN SARAH ELLEN
111A	SWIMMING-BEGINNING			01.0 CR	
1	01.00	M W F	PULL P	11	
111B	SWIMMING-INTERMED			01.0 CR	
PREREQ GSE 111A CR EQUIVALENT					
1	09.00-10.30	T TH	PULL	11	COOPER CAROL
2	10.00-11.30	T TH	PULL	11	COOPER CAROL
3	01.00	M W F	PULL	11	
112	EXERCISE FOR FITNESS			01.0 CR	
1	08.00	T TH S	GYM	208	
2	10.00	M W F	GYM	207	
3	12.00	M W F	GYM	207	
4	12.00	TWTH	GYM	207	
5	03.00	T THF	GYM	207	
113A	SQUARE DANCE			01.0 CR	
1	10.00	T TH S	GYM	114	
2	04.00-05.30	M W	GYM	114	
3	04.00-05.30	T TH	GYM	114	
4	06.00-07.30 PM	T TH	GYM	114	
5	06.00-07.30 PM	M W	GYM	114	LITHERLAND BARBARA A
CROSSLISTED GSE 103A					
6	11.00-12.30	T TH	GYM	114	
113B	DANCE-FOLK			01.0 CR	
1	09.00	M W F	GYM	114	
2	12.00	M W F	GYM	114	STEHR JEAN
3	07.00-08.30 PM	T TH	GYM	208	STEHR JEAN
113D	DANCE-BEG CONTEMP			01.0 CR	
1	08.00	M W F	GYM	208	
2	01.00	M W F	0813	101	LITHERLAND BARBARA A
3	02.00	M W F	0813	101	LITHERLAND BARBARA A
113E	DANCE-INT CONTEMP			01.0 CR	
1	09.00	T THF	0813	101	
2	10.00	T THF	GYM	208	
114B	ACTIVITY-BADMINTON			01.0 CR	
1	08.00	M TH	GYM	207	
	02.00	TH	GYM	207	
2	08.00	T F	GYM	207	
	02.00	TH	GYM	207	
3	08.00	W S	GYM	207	
	11.00	F	GYM	207	
4	09.00	M TH	GYM	207	
	02.00	T	GYM	207	
5	09.00	T F	GYM	207	
	02.00	T	GYM	207	
6	09.00	W S	GYM	207	
	11.00	F	GYM	207	

114C	ACTIVITY-BASKETBALL			01.0	CR	
1	09.00	M W S	GYM	208		
2	01.00	M W F	GYM	208		
114D	ACTIVITY-BOWLING			01.0	CR	
1	08.00	M W F	U CTR	48		
2	09.00	M W F	U CTR	48		
3	10.00	T W F	U CTR	48		
4	10.00	M T H S	U CTR	48		
5	11.00	M W F	U CTR	48		
6	11.00	T T H S	U CTR	48		
7	12.00	M W F	U CTR	48		
8	12.00-01.30	T T H	U CTR	48		
9	01.00-02.30	T T H	U CTR	48		
10	02.00	M W F	U CTR	48		
11	02.00-03.30	T T H	U CTR	48		
12	03.00	M W F	U CTR	48		
13	03.00-04.30	T T H	U CTR	48		
14	04.00	M W F	U CTR	48		
114I	ACTIVITY-VOLLEYBALL			01.0	CR	
1	10.00	M W S	GYM	207		
2	01.00-02.30	T T H	GYM	208		
3	02.00-03.30	T T H	GYM	208		
4	06.00-07.30 PM	M W	GYM	208		
5	07.00-08.30 PM	M W	GYM	207		
6	09.00	T T H F	GYM	208		
114M	ACTIVITY-FENCING			01.0	CR	
1	09.00-10.30	T T H	GYM	114	BLACKMAN CLAUDIA JO	
2	12.00-01.30	T T H	GYM	114	ILLNER JULEE	
3	01.00	M W F	GYM	114	ILLNER JULEE	
4	01.00-02.30	T T H	GYM	114	BLACKMAN CLAUDIA JO	
5	02.00	M W F	GYM	114	COTTEN SARAH ELLEN	
6	02.00-03.30	T T H	GYM	114	COTTEN	
7	03.00-04.30	T T H	GYM	114	ILLNER JULEE	
8	05.00-06.30	T T H	GYM	114	COTTEN SARAH ELLEN	
9	05.00-06.30	M W	GYM	114		
10	06.00-07.30 PM	M W	GYM	114		
114P	ACTIVITY-GYM + TUMB			01.0	CR	
1	05.00	M T W	GYM	207		
2	06.00-06.30 PM	M T W	GYM	207		
114S	INTERMED BOWLING			01.0	CR	
	PREREQ GSE 114D	CR EQUIV				
1	01.00	M W F	U CTR	48	BRECHTELSBAUER KAY	
201	HEALTHFUL LIVING			03.0	CR	
1	08.00	M W F	BAILEY	130	BOOTH NORMAN J	
2	08.00	M W F	ARENA	119	HARRIS EILEEN M	
3	08.00	M W F	ARENA	121	VOGEL HERBERT L	
4	08.00	M W F	PHY SC	218	WIGLEY RICHARD	
5	09.00	M W F	0720	107	BOOTH NORMAN J	
6	09.00	M W	AG	188	SMELSER JAMES ALLEN	
	09.00	TH	WHLR	113		
7	08.00	M W F	LS II	350	VINCENT RAYMOND J	
8	09.00	M W F	0720	109	OBOYLE THOMAS J	
9	09.00	M W	PULL	43A	SCHAENZER DONNA M	
	09.00	F	TECH A	308		
10	10.00	W F	ARENA	121	CASEY LESLIE R	
	10.00	M	PULL	41		
11	10.00	M W	WHAM	112	PHILLIPS FRANCES K	
	10.00	F	TECH A	308		
12	11.00	M W T H	ARENA	119	BOOTH NORMAN J	
13	11.00	M W	0721	102	LEDBETTER ROBERT	
	11.00	TH	0720	104		
14	11.00	M W F	ARENA	125	SMELSER JAMES ALLEN	
15	11.00	M W F	AG	168	VINCENT RAYMOND J	
16	11.00	M W	AG	170	OBOYLE THOMAS J	
	11.00	TH	AG	116		
17	11.00	M W	AG	148	SCHAENZER DONNA M	
	11.00	F	LS I	323		
18	11.00	M W F	ARENA	121	PHILLIPS FRANCES K	
19	11.00	T T H	WHAM	105		
	01.00	TH	ARENA	119	GRISSOM DEWARD K	

20	11.00	T TH	WHAM	105	ROULHAC EDGAR E
	02.00	TH	BAILEY	130	GRISSEM DEWARD K
21	11.00	T TH	WHAM	105	ROULHAC EDGAR E
	08.00	F	ARENA	123	GRISSEM DEWARD K
22	11.00	T TH	WHAM	105	ROULHAC EDGAR E
	10.00	F	BAILEY	130	GRISSEM DEWARD K
23	11.00	T TH	WHAM	105	ROULHAC EDGAR E
	11.00	F	ARENA	119	GRISSEM DEWARD K
24	11.00	T TH	WHAM	105	BARELLO JAMES J
	01.00	TH	PHY SC	218	GRISSEM DEWARD K
25	11.00	T TH	WHAM	105	
	02.00	TH	AG	150	GRISSEM DEWARD K
26	11.00	T TH	WHAM	105	BARELLO JAMES J
	08.00	F	PHY SC	116	GRISSEM DEWARD K
27	11.00	T TH	WHAM	105	
	10.00	F	GYM	204	GRISSEM DEWARD K
28	11.00	T TH	WHAM	105	BARELLO JAMES J
	11.00	F	0720	117	GRISSEM DEWARD K
29	12.00	MT TH	PHY SC	118	VOGEL HERBERT L
30	12.00	M WTH	PHY SC	218	COOK JAMES R
31	10.00	M W	WHAM	105	RICHARDSON CHARLES
	01.00	TH	AG	150	MARSHALL
32	10.00	M W	WHAM	105	RICHARDSON CHARLES
	02.00	TH	PIERCE	130	RICHARDSON CHARLES
33	10.00	M W	WHAM	105	RICHARDSON CHARLES
	08.00	F	AG	188	PORTER
34	10.00	M W	WHAM	105	RICHARDSON CHARLES
	10.00	F	LS I	16	RICHARDSON CHARLES
35	10.00	M W	WHAM	105	RICHARDSON CHARLES
	01.00	F	ARENA	123	BECK
36	10.00	M W	WHAM	105	RICHARDSON CHARLES
	01.00	TH	0720	101	REED
37	10.00	M W	WHAM	105	RICHARDSON CHARLES
	02.00	TH	LS I	16	REED
38	10.00	M W	WHAM	105	RICHARDSON CHARLES
	08.00	F	AG	152	REED
39	10.00	M W	WHAM	105	RICHARDSON CHARLES
	10.00	F	LS I	205	
40	10.00	M W	WHAM	105	RICHARDSON CHARLES
	12.00	F	AG	154	BECK
41	01.00	M F	TECH A	408	BOUTH NORMAN J
	01.00	W	TECH A	422	
42	01.00	M W	FELTS	130	LEDBETTER ROBERT
	01.00	TH	ABBOTT	129	LEDBETTER ROBERT
43	01.00	M W F	BAILEY	130	FIELDS STEPHEN D
44	01.00	M WTH	PARK	301	OBOYLE THOMAS J
45	01.00	M W F	ARENA	119	PHILLIPS FRANCES K
46	02.00	W F	ARENA	121	CASEY LESLIE R
	02.00	M	0720	102	
47	02.00	M WTH	ARENA	123	RUSSELL ROBERT D
48	02.00	M	ARENA	119	HURLEY DONALD R
	02.00	T TH	ARENA	121	HURLEY DONALD R
49	01.00	T TH	LAWSON	171	LEFEVRE JOHN R
	03.00	TH	AG	148	CISSELL WILLIAM B
50	01.00	T TH	LAWSON	171	LEFEVRE JOHN R
	04.00	TH	ARENA	119	CISSELL WILLIAM B
51	01.00	T TH	LAWSON	171	LEFEVRE JOHN R
	08.00	F	PIERCE	130	CISSELL WILLIAM B
52	01.00	T TH	LAWSON	171	LEFEVRE JOHN R
	10.00	F	WHAM	206	HURLEY DONALD R
53	01.00	T TH	LAWSON	171	LEFEVRE JOHN R
	10.00	F	WHAM	328	SMITH DAVID R
54	01.00	T TH	LAWSON	171	LEFEVRE JOHN R
	03.00	TH	AG	168	FIELDS STEPHEN D
55	01.00	T TH	LAWSON	171	LEFEVRE JOHN R
	04.00	TH	ARENA	121	FIELDS STEPHEN D
56	01.00	T TH	LAWSON	171	LEFEVRE JOHN R
	08.00	F	AG	214	HURLEY DONALD R
57	01.00	T TH	LAWSON	171	CISSELL WILLIAM B
	10.00	F	WHAM	208	LEFEVRE JOHN R

58	01.00	T TH	LAWSON	171	LEFEVRE JOHN R
	08.00	F	COMM	1018	SMITH DAVID R
59	06.00-07.25 PM	M W	ARENA	123	CASEY LESLIE R

SCHEDULE OF DEPARTMENTAL COURSES

COURSE & SECTION NO.	TITLE & HOURS	DAYS	BLDG. & RM.	INSTRUCTOR
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Accounting (ACCT)

250	ACCT FUNDAMENTALS		04.0 CR	
1	10.00	MT F	LAWSON	101
	10.00	TH	LAWSON	131
251A	FINANCIAL ACCT		04.0 CR	
	PREREQ	SOPHOMORE STANDING		
1	11.00	T	LAWSON	171
	08.00	M W F	CL	12
2	11.00	T	LAWSON	171
	10.00	THFS	CL	12
3	11.00	T	LAWSON	171
	11.00	THFS	CL	18
4	11.00	T	LAWSON	171
	12.00	M W	LAWSON	231
	12.00	F	CL	18
5	11.00	T	LAWSON	171
	01.00	M W F	CL	18
6	11.00	T	LAWSON	171
	02.00	M W F	CL	18
251B	FINANCIAL ACCT		04.0 CR	
	PREREQ	ACCT 251A		
1	04.00	M	LAWSON	151
	08.00	T TH	CL	12
	08.00	F	CL	18
2	04.00	M	LAWSON	151
	09.00	W	CL	12
	09.00	TH S	CL	13
3	04.00	M	LAWSON	151
	10.00	W	CL	12
	10.00	TH S	CL	13
4	04.00	M	LAWSON	151
	11.00	T THF	CL	12
5	04.00	M	LAWSON	151
	12.00	T THF	CL	12
6	04.00	M	LAWSON	151
	01.00	T TH	CL	18
	01.00	F	CL	12
7	04.00	M	LAWSON	151
	02.00	T TH	CL	18
	02.00	F	CL	12
8	05.45-07.25	T TH	CL	13
261	MANAGEMENT ACCT		04.0 CR	
	PREREQ	ACCT 251B AND MATH 111A		
1	04.00	TH	LAWSON	151
	08.00	MTW	CL	13
2	04.00	TH	LAWSON	151
	11.00	MTW	CL	18
3	04.00	TH	LAWSON	151
	03.00	MTW	CL	12
4	04.00	TH	LAWSON	151
	04.00	MTW	CL	18
5	05.45-07.25	T TH	CL	12
315	EDP IN BUSINESS		04.0 CR	
	PREREQ	ACCT 261		
1	08.00	MTW	AG	168
	08.00	TH	LAWSON	151
2	01.00	MTW	PARK	111
	08.00	TH	LAWSON	151

3	03.00	MTW	LAWSON	101
	08.00	TH	LAWSON	151
331	TAX ACCOUNTING		04.0	CR
	PREREQ ACCT 261			
1	10.00	MTW F	CL	18
341	COST ACCOUNTING		04.0	CR
	PREREQ ACCT 261			
1	12.00	MTWTH	CL	18
351A	INTERMEDIATE ACCT		04.0	CR
	PREREQ ACCT 261			
1	02.00	MTWTH	CL	12
351B	INTERMEDIATE ACCT		04.0	CR
	PREREQ ACCT 351A			
1	09.00	MT THF	CL	12
2	03.00	MT THF	CL	18
432	PROB IN FED TAX		04.0	CR
	PREREQ ACCT 331			
1	01.00	MTWTH	CL	12
442	ADV COST ACCOUNTING		04.0	CR
	PREREQ ACCT 341			
1	09.00	MTW F	CL	18
2	04.00	TWTHF	CL	12
459	INTERNSHIP IN ACCT		04.0	CR
	PREREQ CONSENT OF INTERNSHIP COMMITTEE			
1	TO BE ARRANGED			

Aerospace Studies (A S)

100A	CORPS TRAINING		00.0	CR
1	10.00	T	PULL	42 FORSYTH
102	US DEF ORGANIZATION		01.0	CR
1	09.00	T	WHLR	113 FORSYTH
2	11.00	TH	WHLR	113 FORSYTH
200A	CORPS TRAINING		00.0	CR
	PREREQ AS 101, 102, 103			
1	10.00	T	PULL	42 FORSYTH
202	AEROSPACE SUPPORT		01.0	CR
	PREREQ AS 101, 102, 103			
1	09.00	W	WHLR	113 CARLSON
2	11.00	W	WHLR	113 CARLSON
300	CORPS TRAINING		00.0	CR
1	10.00	T	PULL	42 FORSYTH
302	AEROSPACE STUDIES		03.0	CR
	PREREQ AS 301			
1	08.00	M WTH	WHLR	107 CHASTAIN CHARLIE W
2	10.00	M WTH	WHLR	107 CHASTAIN CHARLIE W
340	CORPS TRAINING		00.0	CR
1	10.00	T	PULL	42 FORSYTH
352	A S LEADERSHIP		03.0	CR
	PREREQ AS 301, 302 + 303 OR CONSENT OF PAS			
1	09.00	M WTH	WHLR	107 TORLINE
2	01.00	M WTH	WHLR	107 TORLINE

Agricultural Industries (AG I)

204	INTRO AG ECONOMICS		04.0	CR
1	03.00	MTW	AG	166 HERR WILLIAM M
	03.00	TH	AG	155 HERR WILLIAM M
2	03.00	MTW	AG	166 HERR WILLIAM M
	03.00	F	AG	155 HERR WILLIAM M
3	03.00	MTW	AG	166 HERR WILLIAM M
	04.00	TH	AG	225 HERR WILLIAM M
210	INTRO TO AG EDUC		02.0	CR
1	04.00	M W	AG	214 BENTON RALPH A
215	STRUCTURES + ELECT		04.0	CR
1	03.00	T TH	AG	225 AHRENS
	01.00-02.50	M W	AG	102A
2	03.00	T TH	AG	225
	03.00-04.50	M W	AG	102A
3	03.00	T TH	AG	225
	08.00-09.50	M W	AG	102A

309	AGRICULTURAL EDUC	04.0 CR			
	PREREQ S ED 310, AG I 311, + 48 HRS I				
	N AGRICULTURE				
1	09.00-11.50 MTWTHF AG	155	BENTON + WOOD		
312	STUDENT TEACH-AG ED	12.0 CR			
	PREREQ CONCURRENT 309				
1	TO BE ARRANGED				
350	FARM MANAGEMENT	05.0 CR			
	PREREQ AG I 204 CR GSB 211A				
1	10.00 MTW F AG	225	LANGFORD GORDON		
	10.00-11.50 S AG	225	LANGFORD GORDON		
2	10.00 MTW F AG	225	LANGFORD GORDON		
	10.00-11.50 TH AG	132	LANGFORD GORDON		
351	FARM FINANCIAL MGT	04.0 CR			
	PREREQ AG I 350 CR EQUIV				
1	02.00 MTW AG	225	HERR WILLIAM M		
	01.00-02.50 TH AG	225	HERR WILLIAM M		
359	INTERN PROGRAM	03.0 TO 05.0 CR			
	PREREQ JR STANDING				
1	TO BE ARRANGED				
373	FIELD MACH + POWER	05.0 CR			
	PREREQ MATH 107A, GSA 101A,B OR EQUIV				
1	11.00 MT TH AG	225	PATERSON JOHN J		
	01.00-02.50 W F 0831	101	PATERSON JOHN J		
2	11.00 MT TH AG	225	PATERSON JOHN J		
	10.00-11.50 W F 0831	101	PATERSON JOHN J		
3	11.00 MT TH AG	225	PATERSON JOHN J		
	08.00-09.50 W F 0831	101	PATERSON JOHN J		
4	11.00 MT TH AG	225	PATERSON JOHN J		
	03.00-04.50 W F 0831	101	PATERSON JOHN J		
381	AGRI SEMINAR	01.0 TO 02.0 CR			
	PREREQ SENIORS ONLY				
1	04.00 I AG	214	BUILA THEODORE		
	CROSSLISTED WITH PL I 381 + AN I 381				
390	SPEC STUD AG I	01.0 TO 06.0 CR			
	PREREQ CONSENT OF DEPT CHAIRMAN				
1	TO BE ARRANGED		WILLS WALTER J		
391	HONORS IN AG INDUST	01.0 TO 06.0 CR			
	PREREQ JR STAND, 4.0 GPA(4.25 IN MAJ)				
	,+ CONSENT OF DEPT CHM				
1	TO BE ARRANGED		HERR WILLIAM M		
411	AGRIC EXTENSION	03.0 CR			
	PREREQ JUNIOR STANDING				
1	04.00 MT TH AG	168	BUILA		
417	AGRIC DEVELOPMENT	04.0 CR			
	PREREQ AG I 204 CR GSB 211A				
1	08.00 MTW F AG	225	KEEPPER WENDELL E		
456A	AG MKTG - COOPS	03.0 CR			
	PREREQ AG I 354, CR CONSENT OF INSTR				
1	10.00 MTW AG	216	WILLS		
456C	AG MKTG-FIELD CROPS	02.0 CR			
	PREREQ AG I 354, CR CONSENT OF INSTR				
1	03.00 M W AG	225	WILLS		
456D	AG MKTG-DAIRY-POULT	02.0 CR			
	PREREQ AG I 354, CR CONSENT OF INSTR				
1	12.00 W F AG	155	SOLVERSON LYLE		
	CROSSLISTED WITH AN I 465C				
456E	AG MKTG-HORT CROPS	02.0 CR			
	PREREQ AG I 354, CR CONSENT OF INSTR				
1	12.00 T TH AG	225			
482	SEM-WK INT AG PROB	03.0 CR			
1	TO BE ARRANGED		BUILA THEODORE		
485	PRIN-PHIL VO TEC ED	03.0 CR			
	PREREQ STUDENT TEACHING OR CONSENT OF DEPARTMENT				
1	06.00-03.30 PM M TECH D	130	RAMP, WAYNE		
505	AG IND RES METHODS	03.0 CR			
	PREREQ CONSENT OF DEPT CHAIRMAN				
1	09.00 MTW AG	225	SOLVERSON		
520	READINGS	01.0 TO 06.0 CR			
1	TO BE ARRANGED				

575	RESEARCH	01.0 TO 06.0 CR
1	TO BE ARRANGED	
581	SEMINAR	01.0 TO 06.0 CR
1	04.00 M AG 155	
599	THESIS	01.0 TO 09.0 CR
1	TO BE ARRANGED	

Animal Industries (ANI)

311A	EVAL + SEL FARM ANI	02.0 TO 03.0 CR	
	PREREQ AN I 121		
1	02.00-04.50 F AG 120	STILES	
	DAIRY		
2	03.00-05.50 M AG 114	MILLER HOWARD W	
	03.00-04.50 W AG 120	MILLER HOWARD W	
	LIVESTOCK		
3	03.00-04.50 M W AG 132	GOODMAN	
	POULTRY		
315	FEEDS AND FEEDING	04.0 CR	
	PREREQ AN I 121		
1	09.00 T THF AG 166	REED	
	09.00-10.50 M AG 120		
2	09.00 T THF AG 166	REED	
	01.00-02.50 M AG 114		
3	09.00 T THF AG 166	REED	
	09.00-10.50 W AG 120		
332	ANIM BREED + GENET	04.0 CR	
	PREREQ AN I 121, CSA 2C18 OR EQUIV		
1	02.00 MTWTH PHY SB 440	GOODMAN BILLY LEE	
359	INTERN PROGRAM	03.0 TO 05.0 CR	
	PREREQ JR STANDING		
1	TO BE ARRANGED		
381	AGRICULTURAL SEM	01.0 TO 02.0 CR	
	PREREQ SENIOR STANDING		
1	04.00 T AG 114	MARION GERMAIN B	
390	SPEC STUD AN I	01.0 TO 06.0 CR	
	PREREQ JR OR SR STANDING AND CONSENT OF DEPT CHAIRMAN		
1	TO BE ARRANGED		
391	HONORS IN AN I	01.0 TO 06.0 CR	
	PREREQ JR STANDING, 4.0 GPA, 4.25 IN MAJOR, CONSENT OF DEPT		
1	TO BE ARRANGED		
421	AN PRO IN DEV COUN	03.0 CR	
	PREREQ ONE YR BICL SCI		
1	03.00 M WTH AG 220		
431	REPRO PHSL-DOM ANIM	04.0 CR	
	PREREQ AN I 121 CR A CCURSE IN PHSL		
1	11.00 M F AG 116	OLSON HOWARD H	
	10.00-11.50 W AG 114	OLSON HOWARD H	
	11.00 TH AG 214		
2	11.00 M F AG 116	OLSON HOWARD H	
	10.00-11.50 T AG 114	OLSON HOWARD H	
	11.00 TH AG 214		
433	DAIRY CATTLE NUTRIT	03.0 CR	
	PREREQ AN I 315		
1	03.00 T TH AG 114	STILES DAVID A	
	01.00-02.50 TH AG 114	STILES DAVID A	
456B	AG MKTG - LIVESTOCK	02.0 CR	
	PREREQ GSB 211A CR CCNSENT OF INSTR		
1	12.00 T TH AG 155		
	CROSSLISTED WITH AG I 456B		
456D	AG MKTG-DAIRY-POULT	02.0 CR	
	PREREQ GSB 211B CR CCNSENT OF INSTR		
1	12.00 W F AG 155	SOLVERSON LYLE	
	CROSSLISTED WITH AG I 465C		
480	SHEEP PRODUCTION	04.0 CR	
	PREREQ AN I 315, 332, 431		
1	01.00 MTW AG 116	KAMMLAUF	
	01.00-02.50 F AG 114		
505B	RES METH IN AG SCI	04.0 CR	
	PREREQ CCNSENT OF INSTR		

1	01.00-02.50	MT	AG	120	
	01.00	W	AG	120	
520	READINGS IN AN IND		01.0 TO 06.0	CR	
1	TO BE ARRANGED				
575	INDIVIDUAL RESEARCH		01.0 TO 06.0	CR	
1	TO BE ARRANGED				MARION GERMAIN B
579	ANIMAL BEHAVIOR		04.0	CR	
	PREREQ	CONSENT OF INSTR			
1	03.00	WTH	LS I	205	WARING GEORGE H
	01.00-04.50	F	LS I	204	WARING GEORGE H
	CROSSLISTED WITH ZOOLOGY				
581	SEMINAR		01.0 TO 06.0	CR	
1	04.00	T	AG	114	MARION GERMAIN B
599	THESIS		01.0 TO 09.0	CR	
1	TO BE ARRANGED				

Anthropology (ANTH)

250	INTRODUCTORY ANTH		03.0	CR	
	PREREQ	CONSENT OF DEPT			
1	12.00	M W F	H EC	106	COOK
275C	INDIV STUDY-L AMER		02.0	CR	
	PREREQ	CONSENT OF DEPT			
1	TO BE ARRANGED				
275D	INDIV STUDY-GENERAL		02.0 TO 18.0	CR	
	PREREQ	CONSENT OF DEPT			
1	TO BE ARRANGED				LANGE
303	OLD WORLD PREHIST		03.0	CR	
	PREREQ	ANTH 250 CR EQLIV			
1	01.00	M W F	H EC	106	SPECHT
305B	PEOPLE-CULT WORLD I		03.0	CR	
	PREREQ	ANTH 250 CR EQLIV			
1	09.00	M W F	H EC	106	
306B	PEOPLE-CULT WRLD II		03.0	CR	
	PREREQ	ANTH 250 CR EQLIV			
1	10.00	M W F	H EC	106	
403	GENERAL ARCHAEOLOGY		03.0 TO 04.0	CR	
	PREREQ	ANTH 250 CR EQLIV			
1	09.00-10.30	T TH	H EC	106	TAYLOR WALTER W
408	HIST ANTH THOUGHT		03.0	CR	
	PREREQ	ANTH 250 CR EQLIV			
1	02.00	M W F	H EC	106	ALTSCHULER MILTON
409	APPLIED ANTHROPOLOG		03.0	CR	
	PREREQ	ANTH 250 CR EQLIV			
1	03.00-05.30	W	H EC	106	LANGE CHARLES H
418	LANG OF WORLD		04.0	CR	
	PREREQ	ANTH 250 CR EQLIV			
1	09.00-11.30	M	H EC	8E	GRIMES JAMES L
430	ARCHAEOL OF N AMER		03.0	CR	
	PREREQ	ANTH 250 CR EQLIV			
1	11.00	M W F	H EC	106	BELMONT
444	COMPARATIVE RELIG		03.0	CR	
	PREREQ	ANTH 250 CR EQLIV			
1	03.00-05.30	F	H EC	106	
465B	MUSEUM METHODS		02.0	CR	
	PREREQ	JR STANDING			
1	TO BE ARRANGED				FEDRICK
471B	ETHNOMUSICOLOGY		03.0	CR	
1	07.00-09.30 PM	T	ALTG	106	MARING JOEL M
483	INDIV STUDY IN ANTH		01.0 TO 18.0	CR	
	PREREQ	ANTH 250 CR EQLIV			
1	TO BE ARRANGED				
511	SEM MESO-AMER ARCH		03.0 TO 09.0	CR	
1	07.30-10.00 PM	M	H EC	106	RANDS ROBERT L
535	SEM-PHYSICAL ANTH		03.0 TO 09.0	CR	
1	TO BE ARRANGED				
545	SEMINAR LINGUISTICS		03.0 TO 09.0	CR	
1	09.00-11.30	W	H EC	8E	
562	SEM-ANTH CONT PECP		03.0 TO 09.0	CR	
1	03.00-05.30	TH	H EC	106	HANDLER
565	SEM CULT CHANGE-DEV		03.0 TO 09.0	CR	
1	03.00-05.30	T	H EC	106	

567 SEM-ANTH FRY + MEI 03.0 TO 09.0 CR
 PREREQ CONSENT OF DEPT
 1 07.30-10.00 PM W H EC 106 WALKER
 575 SEM-INDIVID CULT 03.0 TO 09.0 CR
 PREREQ CONSENT OF DEPT
 1 07.30-10.00 PM T H EC 122A
 582 PROB-ARCHAEOLOGY 01.0 TO 27.0 CR
 PREREQ CONSENT OF DEPT
 1 TO BE ARRANGED
 584 PROB-CULTURAL ANTH 01.0 TO 27.0 CR
 1 TO BE ARRANGED
 585 READINGS IN ANTH 01.0 TO 27.0 CR
 1 TO BE ARRANGED
 595A FIELD METHODS-ETHNO 03.0 CR
 1 03.00-05.30 M H EC 106 DARK
 597 FIELDWORK IN ANTH 01.0 TO 27.0 CR
 1 TO BE ARRANGED
 599 THESIS 01.0 TO 09.0 CR
 1 TO BE ARRANGED
 600 DISSERTATION 01.0 TO 48.0 CR
 1 TO BE ARRANGED

Applied Science (AP S)

401B X-RAY CRYSTALLOGPHY 04.0 CR
 1 04.00 M W TECH B 141
 03.00-04.50 F TECH B 126
 410A ELECT + INST FOR LS 04.0 CR
 1 TO BE ARRANGED
 422 PROGRAMMING SYSTEMS 03.0 CR
 PREREQ ENGR 222, MATH 225 OR CONSENT
 OF INSTRUCTOR
 1 03.00 M W F TECH A 422
 430 SPECIAL PROBLEMS 02.0 TO 08.0 CR
 PREREQ CONSENT OF COORDINATOR
 1 TO BE ARRANGED
 501B MATERIALS SCIENCE 04.0 CR
 1 TO BE ARRANGED
 503B PROP-CRYST MATERIAL 04.0 CR
 1 TO BE ARRANGED
 504B X-RAY DIFFRACTION 04.0 CR
 PREREQ GRAD STANDING
 1 TO BE ARRANGED
 521A DES AUTO PROG LANG 03.0 CR
 PREREQ AP S 421
 1 TO BE ARRANGED
 570 SPECIAL INVESTIGAT 02.0 TO 06.0 CR
 1 TO BE ARRANGED
 580 SEMINAR 01.0 TO 09.0 CR
 1 TO BE ARRANGED
 599 THESIS 01.0 TO 09.0 CR
 1 TO BE ARRANGED

Black American Studies (BAS)

316 SEM-BLACK STUDIES 03.0 CR
 PREREQ GSB 309 CR GSC 325 OR CONSENT
 OF INSTR
 1 06.00-08.30 PM M CL 326
 320 SEM-GROUP LDRSHIP 02.0 CR
 PREREQ CONSENT OF INSTR
 1 06.00-08.00 PM TH CL 326
 322 METH OF BLK STUDIES 03.0 CR
 PREREQ CONSENT OF INSTR
 1 06.00-08.30 PM W WHAM 305
 340 BLACKS-PERFORM ARTS 03.0 CR
 PREREQ GSC 325, HIST 349A,B,C, HIST 3
 09 OR CONSENT OF DEPT
 1 11.00-12.50 W LAWSON 131
 11.00-12.50 F LAWSON 221
 360 BLACK AM + THE LAW 04.0 CR
 PREREQ CONSENT OF DEPT OR BAS 309, GS
 B 109

Art (ART)

100A	SCULPTURE-CRAFTS	04.0 CR			
	PREREQ	RESTRICTED TO MAJORS IN SCHOOL OF ART, PHOTO, CR H EC			
1	08.00-09.50	M W F	ALLYN	112	ADDINGTON
2	10.00-11.50	M W F	ALLYN	112	ADDINGTON
100B	CRAFTS-SCULPTURE	04.0 CR			
	PREREQ	RESTRICTED TO MAJORS IN SCHOOL OF ART, PHOTO, CR H EC			
1	12.00-01.50	M W F	ALLYN	112	BOYSEN BILL H
2	02.00-03.50	M W F	ALLYN	112	
100C	PAINTING-GRAPHICS	04.0 CR			
	PREREQ	RESTRICTED TO MAJORS IN SCHOOL OF ART, PHOTO, CR H EC			
1	11.00-01.50	T TH	ALLYN	112	LINK LAWRENCE JOHN
2	04.00-05.50	M W F	ALLYN	112	BETAUDIER PATRICK
100D	GRAPHICS-DRAWING	04.0 CR			
	PREREQ	RESTRICTED TO MAJORS IN SCHOOL OF ART, PHOTO, CR H EC			
1	12.00-01.50	M W F	ALLYN	106	KOLDEN LARRY D
2	02.00-03.50	M W F	ALLYN	106	GREENFIELD SYLVIA R
100F	DRAWING-PAINTING	04.0 CR			
	PREREQ	RESTRICTED TO MAJORS IN SCHOOL OF ART, PHOTO, CR H EC			
1	08.00-09.50	M W F	ALLYN	106	LITTLEFIELD LEE F
2	10.00-11.50	M W F	ALLYN	106	BETAUDIER PATRICK
200A	SCULPTURE	04.0 CR			
	PREREQ	RESTRICTED TO MAJORS IN SCHOOL OF ART, PHOTO, CR H EC			
1	08.00-09.50	M W F	0549	101	WALSH
2	10.00-11.50	M W F	0549	101	WALSH
200B	DRAWING	04.0 CR			
	PREREQ	RESTRICTED TO MAJORS IN SCHOOL OF ART, PHOTO, CR H EC			
1	11.00-01.50	T TH	ALLYN	202	PAULSON ROBERT L
2	12.00-01.50	M W F	ALLYN	202	ONKEN MICHAEL D
200C	PAINTING	04.0 CR			
	PREREQ	RESTRICTED TO MAJORS IN SCHOOL OF ART, PHOTO, CR H EC			
1	02.00-03.50	M W F	ALLYN	202	LITTLEFIELD LEE F
2	02.00-04.50	T TH	ALLYN	202	LINK LAWRENCE JOHN
225B	INTRO TO ART HIST	03.0 CR			
1	11.00	T TH	LAWSON	141	SCHAAF WILLIAM N
	11.00	F	PHY SB	240	
259	STUDIO	04.0 TO 24.0 CR			
1	TO BE ARRANGED				
300A	ART ED FOR EL TEACH	04.0 CR			
1	08.00	T TH	LAWSON	141	WOOD DANNY D
	10.00-11.50	T TH	PULL I	105	LAWSON ELNORA
2	08.00	T TH	LAWSON	141	WOOD, DANNY D
	01.00-02.50	T TH	PULL I	105	WOOD DANNY D
3	08.00	T TH	LAWSON	141	WOOD DANNY D
	12.00-01.50	M W	PULL I	105	LAWSON ELNORA
4	08.00	T TH	LAWSON	141	WOOD, DANNY D
	02.00-03.50	M W	PULL I	105	WOOD DANNY D
5	03.00-04.50	T TH	PULL I	105	LAWSON ELNORA
	08.00	T TH	LAWSON	141	
302B	POTTERY-INTERMED	04.0 CR			
	PREREQ	ART 302A			
1	08.00-10.50	T TH	ALLYN	5	VERGETTE, NICHOLAS
2	08.00-09.50	M W F	ALLYN	5	BOYSEN, BILL
3	02.00-04.50	T TH	ALLYN	5	VERGETTE, NICHOLAS
307	THEORY+PHIL ART ED	03.0 CR			
1	09.00	M W F	PULL I	105A	ABRAHAMSON ROY E
308	CUR + ADM - ART ED	03.0 CR			
1	02.00	M W F	PULL I	105A	WOOD
320B	OIL-PAINT TECH INT	04.0 CR			
1	10.00-11.50	M W F	ALLYN	202	
2	05.00-07.50 PM	T TH	ALLYN	202	

332B	JEWELRY +METALSMITH	04.0 CR			
	PREREQ ART 332A				
1	08.00-09.50	M W F	ALLYN	11	
2	12.00-01.50	M W F	ALLYN	11	
3	02.00-03.50	M W F	ALLYN	11	
	RESTRICTED TO THOSE WITH 4 HRS ART 332				
341	DRAWING	04.0 TO 12.0 CR			
	PREREQ 12 HRS OF ART 100, 200, OR CON				
	SENT OF INSTR				
1	08.00-09.50	M W F	ALLYN	202	LITTLEFIELD LEE F
2	04.00-05.50	M W F	ALLYN	202	ONKEN MICHAEL O
358	PRINTS	04.0 TO 12.0 CR			
	PREREQ ART 100 + 200 CR CONSENT OF IN				
	STR				
1	02.00-03.50	M W F	ALLYN	210	KOLDEN LARRY D
2	04.00-05.50	M W F	ALLYN	210	
365	ART ED METHODS	04.0 CR			
	PREREQ ART 100				
1	10.00-11.50	M W F	PULL I	105	GREENFIELD SYLVIA R
385B	WEAVING - INTERMED	04.0 TO 12.0 CR			
	PREREQ ART 385A				
1	02.00-04.50	T TH	0702	101	GINSBERG, RUTH L
2	06.00-08.50 PM	T TH	0702	101	GINSBERG, RUTH L
393	SCULPTURE	04.0 TO 12.0 CR			
	PREREQ ART 200-12 HRS				
1	02.00-04.50	T TH	0549	101	WALSH THOMAS J
2	08.00-10.50	T TH	0549	101	WALSH
406	STUDIO IN PAINTING	02.0 TO 12.0 CR			
1	08.00-09.50	M W F	0549	101	BERNSTEIN LAWRENCE
2	12.00-01.50	M WTH	0549	101	ONNEN
416	STUDIO IN PRINTS	02.0 TO 12.0 CR			
1	10.00-11.50	M W F	ALLYN	210	KOLDEN LARRY D
426	STUDIO IN POTTERY	02.0 TO 12.0 CR			
1	11.00-01.50	T TH	ALLYN	5	VERGETTE NICHOLAS
436	STUDIO METAL CONSTR	02.0 TO 12.0 CR			
1	10.00-11.50	M W F	ALLYN	11	KINGTON LOUIS BRENT
442	DRAWING	02.0 TO 12.0 CR			
	PREREQ ART 341-12 HRS				
1	08.00-10.50	T TH	ALLYN	202	PAULSON ROBERT L
2	08.00	T TH	ALLYN	106	FINK
446	STUDIO IN WEAVING	02.0 TO 12.0 CR			
1	11.00-01.50	T TH	0702	101	GINSBERG RUTH L
466	STUDIO IN ART ED	02.0 TO 12.0 CR			
1	11.00	M W F	PULL I	105	ABRAHAMSON ROY E
482B	ART HIST SEM-MED	03.0 CR			
1	02.00-05.00	F	PARK	111	SCHAAF WILLIAM N
483B	RES ART HIST-MED	03.0 CR			
1	TO BE ARRANGED				JOHNSON EVERT
493	ADVANCED SCULPTURE	02.0 TO 12.0 CR			
	PREREQ ART 393-12 HRS				
1	02.00-04.50	T TH	0549	101	WALSH THOMAS J
502	SEM IN SCULPTURE	02.0 TO 12.0 CR			
	PREREQ CONSENT OF INSTRUCTOR				
1	TO BE ARRANGED				WALSH THOMAS J
506	RESEARCH PAINTING	02.0 TO 12.0 CR			
	PREREQ CONSENT OF INSTRUCTOR				
1	TO BE ARRANGED				BERNSTEIN LAWRENCE
516	RESEARCH IN PRINTS	02.0 TO 12.0 CR			
	PREREQ CONSENT OF INSTRUCTOR				
1	10.00-11.50	M W F	ALLYN	210	KOLDEN LARRY D
526	RESEARCH POTTERY	02.0 TO 12.0 CR			
1	11.00-01.50	T TH	ALLYN	5	VERGETTE NICHOLAS
536	RESEARCH METAL CCNS	02.0 TO 12.0 CR			
1	10.00-11.50	M W F	ALLYN	11	KINGTON LOUIS BRENT
542	RESEARCH IN DRAWING	02.0 TO 12.0 CR			
	PREREQ 12 HRS OF ART 300				
1	TO BE ARRANGED				PAULSON ROBERT L
546	RESEARCH IN WEAVING	02.0 TO 12.0 CR			
1	11.00-01.50	T TH	0702	101	GINSBERG RUTH L
560	SEMINAR ART EDUC	02.0 TO 12.0 CR			
1	TO BE ARRANGED				ABRAHAMSON ROY E

571	READ ART HISTORY	02.0 TO 05.0 CR			
	PREREQ GRAD STANDING + CONSENT OF INSTR				
1	10.00-11.50	F	PARK	301	COLBERT CHARLES D
573	PROB-ART HIST	03.0 TO 12.0 CR			
1	TO BE ARRANGED				SULLIVAN JAMES E
599	THESIS	02.0 TO 09.0 CR			
1	TO BE ARRANGED				

Biology (BIOL)

307	ENVIRONMENTAL BIOL	04.0 CR			
	PREREQ GSA 2013 CR 2102 OR ADVANCED STANDING				
1	01.00	MTWTH	LAWSON	121	KROLL
308	ORGANISMIC BIOLOGY	04.0 CR			
	PREREQ GSA 2018 CR 2102 OR ADVANCED STANDING				
1	09.00	MTWTH	LAWSON	201	DUNAGAN

Botany (BOT)

300	MORPH NON-VAS PLANT	04.0 CR			
	PREREQ GSA 2018				
1	09.00	M W F	LS II	450	TINDALL DONALD R
	08.00-09.50	T	LS II	404	TINDALL DONALD R
2	09.00	M W F	LS II	450	TINDALL DONALD R
	08.00-09.50	TH	LS II	404	TINDALL DONALD R
301	MORPH VAS PLANTS	04.0 CR			
	PREREQ GSA 2018				
1	01.00	T TH	LS II	450	MATTEN LAWRENCE C
	01.00-02.50	M	LS II	404	
2	01.00	T TH	LS II	450	MATTEN LAWRENCE C
	03.00-04.50	M	LS II	404	
320	PLANT PHYSIOLOGY	05.0 CR			
	PREREQ GSA 2018, CHEM 350 OR MINOR IN CHEM				
1	08.00	M W F	LS II	450	SCHMID WALTER E
	08.00-09.50	T TH	LS II	457	SCHMID WALTER E
2	08.00	M W F	LS II	450	SCHMID WALTER E
	10.00-11.50	T TH	LS II	457	BRANDON RALPH EDWARD
3	08.00	M W F	LS II	450	SCHMID WALTER E
	01.00-02.50	T TH	LS II	457	BRANDON RALPH EDWARD
321	BOT MICROTÉCHNIQUE	03.0 TO 05.0 CR			
	PREREQ GSA 2018				
1	01.00	M W F	LS II	480	OLAH
	01.00-02.50	T TH	LS II	480	OLAH
335	GENETIC METHODS	02.0 CR			
	PREREQ BIOL 305 CR EGLIV				
1	03.00-04.50	W F	LS II	480	MEYERS
2	03.00-04.50	T TH	LS II	480	MEYERS
338	ORGANISMIC LAB	02.0 CR			
1	02.00-03.50	T TH	LS II	404	
390	READINGS - BOTANY	02.0 TO 04.0 CR			
	PREREQ BOT MAJOR AND CONSENT OF INSTR				
1	TO BE ARRANGED				MOHLENBROCK ROBERT
391	SPEC PROB IN BOTANY	02.0 TO 05.0 CR			
	PREREQ BOT MAJOR AND CONSENT OF DEPT				
1	TO BE ARRANGED				MOHLENBROCK ROBERT
392	HONORS IN BOTANY	03.0 TO 21.0 CR			
	PREREQ CONSENT OF DEPARTMENT				
1	TO BE ARRANGED				
406	INDUSTRIAL MYCOLOGY	05.0 CR			
	PREREQ BOT 405 CR CONSENT OF INSTR				
1	10.00	M W F	LS II	423	GRAY WILLIAM D
	10.00-11.50	T TH	LS II	453	GRAY WILLIAM D
412	THE SPERMATOPHYTES	04.0 CR			
	PREREQ GSA 303 CR BOT 301				
1	10.00	M W	LS II	480	KAEISER
	10.00-11.50	T TH	LS II	480	KAEISER
425B	ADV PLANT PHYSIOL	05.0 CR			
	PREREQ BOT 425A				

1	02.00	M W F	LS II	450	YOPP
	01.00-02.50	T TH	LS II	453	YOPP
440B	ADVANCED ECOLOGY			05.0 CR	
	PREREQ	STOL 307 CR CONSENT OF DEPT			
1	11.00	M W F	LS II	450	WEAVER
	LAB TO BE ARRANGED SATLS II 423				
450	PLANT GEOGRAPHY			03.0 CR	
	PREREQ	CONSENT OF INSTR			
1	03.00	W F	LS II	450	UGENT DONALD
456	PLANT PATHOLOGY			05.0 CR	
	PREREQ	CONSENT OF INSTR			
1	01.00	M W F	LS II	450	PAPPELIS ARISTOTEL J
	01.00-02.50	T TH	LS II	423	PAPPELIS ARISTOTEL J
2	01.00	M W F	LS II	450	PAPPELIS ARISTOTEL J
	03.00-04.50	T TH	LS II	423	PAPPELIS
570	READINGS - BOTANY			02.0 TO 05.0 CR	
1	TO BE ARRANGED				MOHLENBRUCK ROBERT
580	SEMINAR			01.0 TO 04.0 CR	
	PREREQ	JNDERGRAF MAJ CR MINOR IN BOT OR DEPT CONSENT			
1	TO BE ARRANGED				MOHLENBRUCK ROBERT
2	04.00	W	LAWSON	131	ANDERSON
581	ADV SYSTEMATICS			04.0 CR	
	PREREQ	CONSENT OF INSTR			
1	01.00-02.50	T TH	LS I	120	BLACKWELDER R E
590	INTRO TO RESEARCH			02.0 TO 04.0 CR	
1	TO BE ARRANGED				MOHLENBRUCK ROBERT
2	TO BE ARRANGED				
3	TO BE ARRANGED				
591	RESEARCH			03.0 TO 09.0 CR	
	PREREQ	CONSENT OF DEPT			
1	TO BE ARRANGED				
599	THESIS			03.0 TO 09.0 CR	
1	TO BE ARRANGED				
600	DISSERTATION			01.0 TO 36.0 CR	
1	TO BE ARRANGED				

Business Administration (B A)

501	QUANT DECISIONS			04.0 CR	
1	05.45-07.25	T TH	CL	24	
	ENRL IN MBA PROG OR CONS CF INSTR				
502	BUSINESS + SOCIETY			04.0 CR	
1	01.00-02.50	M W	CL	24	
	ENRL IN MBA PROG OR CONS CF INSTR				
510	MGR ACCT + CONTROL			04.0 CR	
1	03.00-04.50	T F	CL	24	
	ENRL IN MBA PROG OR CONS CF INSTR				
519	SEMINAR IN ACCT			04.0 CR	
1	10.00-11.50	M TH	CL	25	
	ENRL IN MBA PROG OR CONS CF INSTR				
530	FINANCIAL MGT			04.0 CR	
1	08.00-09.50	T TH	CL	24	
	ENRL IN MBA PROG OR CONS CF INSTR				
541	OPERAT + CONTROL			04.0 CR	
1	10.00-11.50	T TH	CL	21	
543	PERSONNEL MGT			04.0 CR	
	PREREQ	ENROLLMENT IN MBA PROGRAM OR CONSENT OF INSTR			
1	05.45-07.25	M W	CL	24	
	ENRL IN MBA PROG OR CONS CF INSTR				
550	MARKETING MGT			04.0 CR	
	PREREQ	ENROLLMENT IN MBA PROGRAM OR CONSENT OF INSTR			
1	01.00-02.50	T TH	CL	24	
	ENRL IN MBA PROG OR CONS CF INSTR				
552	ADV MKTG RES + ANAL			04.0 CR	
	PREREQ	ENROLLMENT IN MBA PROGRAM OR CONSENT OF INSTR			
1	03.00-04.50	M W	CL	25	

590	INDEPENDENT STUDY	04.0 CR
	PREREQ ENROLLMENT IN MBA PROGRAM OR	
	CONSENT OF INSTR	
1	TO BE ARRANGED	
598	BUSINESS POLICIES	04.0 CR
	PREREQ ENROLLMENT IN MBA PROGRAM OR	
	CONSENT OF INSTR	
1	08.00-09.50 M W CL	25
599	THESIS	04.0 TO 08.0 CR
	PREREQ ENROLLMENT IN MBA PROGRAM OR	
	CONSENT OF INSTR	
1	TO BE ARRANGED	

Chemistry (CHEM)

110	INORGANIC CHEMISTRY	04.0 CR
1	09.00 M W F	PHY SB 440
	08.00-10.50 T	PHY SC 108
	09.00 TH	PARK 204
2	09.00 M W F	PHY SB 440
	08.00-10.50 TH	PHY SC 108
	09.00 T	PARK 204
3	09.00 M W F	PHY SB 440
	08.00-10.50 T	PHY SC 109
	09.00 TH	PARK 204
4	09.00 M W F	PHY SB 440
	08.00-10.50 TH	PHY SC 109
	09.00 T F	PARK 204
5	09.00 M W F	PHY SB 440
	08.00-10.50 S	PHY SC 109
	09.00 T	PARK 204
6	09.00 M W F	PHY SB 440
	10.00-12.50 M	PHY SC 109
	09.00 TH	PARK 204
7	09.00 M W F	PHY SB 440
	10.00-12.50 W	PHY SC 109
	09.00 TH	PHY SC 118
8	09.00 M W F	PHY SB 440
	06.00-08.50 PM W	PHY SC 109
	09.00 TH	PHY SC 118
121A	GEN CHEM-QJAL ANAL	05.0 CR
	PREREQ 115 CR 1 YR HIGH SCHOOL CHEM	
1	11.00 M W F	PARK 124
	11.00-12.50 T TH	PHY SC 102
	12.00 W	PARK 204
2	11.00 M W F	PARK 124
	11.00-12.50 T TH	PHY SC 104
	12.00 W	PARK 204
3	11.00 M W F	PARK 124
	11.00-12.50 T TH	PHY SC 106
	12.00 W	PARK 204
4	11.00 M W F	PARK 124
	11.00-12.50 T TH	PHY SC 107
	12.00 M	PHY SC 116
5	11.00 M W F	PARK 124
	11.00-12.50 T TH	PHY SC 108
	12.00 M	PHY SC 116
	12.00 W	PARK 204
6	03.00 M W F	PARK 124
	02.00-03.50 T TH	PHY SC 102
	02.00 M	PARK 204
7	03.00 M W F	PARK 124
	02.00-03.50 T TH	PHY SC 104
	02.00 M	PARK 204
8	03.00 M W F	PARK 124
	02.00-03.50 T TH	PHY SC 106
	02.00 M	PARK 204
9	03.00 M W F	PARK 124
	02.00-03.50 T TH	PHY SC 107
	02.00 W	PHY SC 116
10	03.00 M W F	PARK 124
	02.00-03.50 T TH	PHY SC 108

	02.00		W	PHY SC	116
11	06.00-07.25	PM	M W	PARK	124
	07.35-08.25	PM	M	PARK	204
	06.00-07.50	PM	T TH	PHY SC	102
12	06.00-07.25	PM	M W	PARK	124
	07.35-08.25	PM	M	PARK	204
	06.00-07.50	PM	T TH	PHY SC	104
13	06.00-07.25	PM	M W	PARK	124
	07.35-08.25	PM	M	PARK	204
	06.00-07.50	PM	T TH	PHY SC	106
14	06.00-07.25	PM	M W	PARK	124
	07.35-08.25	PM	W	PHY SC	116
	06.00-07.50	PM	T TH	PHY SC	107
15	06.00-07.25	PM	M W	PARK	124
	07.35-08.25	PM	W	PHY SC	116
	06.00-07.50	PM	T TH	PHY SC	108
1213	GEN CHEM-QJAL ANAL			05.0	CR
	PREREQ 121A				
1	08.00		T TH	PARK	124
	09.00		T	PHY SC	116
	08.00-10.50		W F	PHY SC	102
2	08.00		T TH	PARK	124
	09.00		T	PHY SC	116
	08.00-10.50		W F	PHY SC	104
3	08.00		T TH	PARK	124
	09.00		TH	PHY SC	116
	08.00-10.50		W F	PHY SC	106
4	08.00		T TH	PARK	124
	09.00		TH	PHY SC	116
	08.00-10.50		W F	PHY SC	107
5	11.00		T TH	PARK	124
	12.00		T	PARK	204
	11.00-01.50		M W	PHY SC	104
6	11.00		T TH	PARK	124
	12.00		T	PARK	204
	11.00-01.50		M W	PHY SC	106
7	11.00		T TH	PARK	124
	12.00		TH	PHY SC	116
	11.00-01.50		M W	PHY SC	107
8	11.00		T TH	PARK	124
	12.00		T	PARK	204
	11.00-01.50		M W	PHY SC	102
9	03.00		T TH	PARK	124
	02.00		T	PARK	204
	02.00-04.50		M W	PHY SC	102
10	03.00		T TH	PARK	124
	02.00		T	PARK	204
	02.00-04.50		M W	PHY SC	104
11	03.00		T TH	PARK	124
	02.00		TH	PHY SC	116
	02.00-04.50		M W	PHY SC	108
12	03.00		T TH	PARK	124
	02.00		TH	PHY SC	116
	02.00-04.50		M W	PHY SC	107
13	11.00		T TH	PARK	124
	11.00-01.50		M W	PHY SC	108
14	12.00		T TH	PARK	124
	03.00		T TH	PARK	124
	02.00-04.50		M W	PHY SC	106
	02.00		T	PARK	204
235	GEN QUANT ANALYSIS			05.0	CR
	PREREQ CHEM 121B				
1	01.00		M W F	PHY SC	118
	09.00		T	PHY SC	118
	10.00-11.50		T	PHY SC	408
	09.00-11.50		TH	PHY SC	408
2	01.00		M W F	PHY SC	118
	01.00		T	PHY SC	118
	02.00-03.50		T	PHY SC	408
	01.00-03.50		TH	PHY SC	408
3	01.00		M W F	PHY SC	118
	02.00		W	PHY SA	258

	03.00-04.50	W	PHY SC	408
	02.00-04.50	F	PHY SC	408
305B	ORG CHEM-PRE PROF		05.0 CR	
	PREREQ CHEM 305A			
1	11.00	M W F	LS I	133
	01.00-03.50	T THF	PHY SC	205
	01.00	M	PHY SC	218
2	11.00	M W F	LS I	133
	01.00-03.50	M F	PHY SC	205
	01.00	W	PHY SC	218
3	11.00	M W F	LS I	133
	08.00	M W	PHY SC	205
	11.00	TH	PHY SC	118
4	11.00	M W F	LS I	133
	08.00-10.50	T TH	PHY SC	205
	01.00	F	PHY SC	218
5	11.00	M W F	LS I	133
	06.00-08.50 PM	T TH	PHY SC	205
	11.00	T	PHY SC	116
341B	ORGANIC CHEMISTRY		05.0 CR	
	PREREQ CHEM 341A			
1	08.00	M W F	PHY SB	240
	08.00-10.50	T TH	PHY SC	203
	09.00	W	PHY SC	116
2	08.00	M W F	PHY SB	240
	09.00-11.50	M F	PHY SC	203
	08.00	T	PHY SC	116
3	08.00	M W F	PHY SB	240
	09.00-11.50	W S	PHY SC	203
	08.00	TH	PHY SC	118
4	08.00	M W F	PHY SB	240
	01.00-03.50	T TH	PHY SC	203
	08.00	TH	PHY SA	160
375	UNDERGRAD SEMINAR		00.0 TO 02.0 CR	
	PREREQ FOR JUNIORS + SENIORS WITH			
	CONCENTRATION IN CHEM			
1	TO BE ARRANGED			
412	INORG PREPARATIONS		03.0 CR	
	PREREQ CHEM 235, 305B, OR 341C			
1	08.00	T	PHY SC	118
	01.00-03.50	W F	PHY SC	304
432A	INST ANAL MEASMTS		04.0 CR	
	PREREQ CHEM 461B (MAY BE TAKEN			
	CONCURRENTLY)			
1	06.00-07.25 PM	M W	PHY SC	116
	01.00	M	PHY SA	258
	01.00-03.50	W	PHY-SC	409
	02.00-03.50	M	PHY-SC	409
2	06.00-07.25 PM	M W	PHY SC	116
	02.00	T	PHY SC	116
	02.00-04.50	TH	PHY-SC	409
	03.00-04.50	T	PHY-SC	409
3	06.00-07.25 PM	M W	PHY SC	116
	06.00 PM	T	PHY SC	116
	06.00-08.50 PM	TH	PHY-SC	409
	07.00-08.50 PM	T	PHY-SC	409
451B	BIOCHEMISTRY		03.0 CR	
	PREREQ CHEM 235, 305B CR 341C-MUST BE			
	TAKEN IN SEQUENCE			
1	08.00	M W F	PARK	204
455A	BIOCHEMISTRY LAB		04.0 CR	
	PREREQ 451A			
1	08.00	TH	PHY SC	116
	TO BE ARRANGED			
	LAB TO BE ARRANGED			
461B	PHYSICAL CHEMISTRY		04.0 CR	
	PREREQ CHEM 461A			
1	11.00	M W F	PHY SC	116
	11.00-01.50	TH	PHY SC	105
2	11.00	M W F	PHY SC	116
	08.00-10.50	TH	PHY SC	105

3	11.00	M W F	PHY SC 116
	09.00-11.50	T	PHY SC 105
472B	X-RAY CRYSTALLOGRAPHY		04.0 CR
	PREREQ	CHEM 461B + 472A	
1	04.00	M W	TECH B 141
	03.00-04.50	F	TECH B 126
	CROSSLISTED WITH APPLIED SCIENCE 401B		
496A	CHEM PROB ANALY		01.0 TO 12.0 CR
	PREREQ	CONSENT OF INSTRUCTOR AND DEPT CHAIRMAN	
1	TO BE ARRANGED		
496B	CHEM PROB BIOCHEM		01.0 TO 12.0 CR
	PREREQ	CONSENT OF INSTRUCTOR AND DEPT CHAIRMAN	
1	TO BE ARRANGED		
496C	CHEM PROB INORGANIC		01.0 TO 12.0 CR
	PREREQ	CONSENT OF INSTRUCTOR AND DEPT CHAIRMAN	
1	TO BE ARRANGED		
496D	CHEM PROB ORGANIC		01.0 TO 12.0 CR
	PREREQ	CONSENT OF INSTRUCTOR AND DEPT CHAIRMAN	
1	TO BE ARRANGED		
496E	CHEM PROB PHYSICAL		01.0 TO 12.0 CR
	PREREQ	CONSENT OF INSTRUCTOR AND DEPT CHAIRMAN	
1	TO BE ARRANGED		
511A	ADV INORGANIC CHEM		03.0 CR
	PREREQ	CHEM 461C	
1	02.00	M W F	PHY SC 410
519	ADV TOPICS-INORG		02.0 TO 30.0 CR
	PREREQ	CHEM 511A AND CONSENT OF INS	
1	10.00	M W F	PHY SC 116
531	THEORY QUANT ANAL		03.0 CR
	PREREQ	CHEM 433 CR SATISFACTORY FIELD EXAM	
1	10.00	M W F	PHY SC 410
541	ADV ORG CHEM		03.0 CR
	PREREQ	CHEM 504 CR SATISFACTORY FIELD EXAM	
1	09.00	M W F	PHY SC 118
549	ADV TOPICS-ORGANIC		02.0 TO 30.0 CR
	PREREQ	CHEM 543	
1	09.00	M W F	PHY SC 218
554	BIOCHEM MECHANISMS		03.0 CR
	PREREQ	CHEM 451C	
1	10.00	M W F	PHY SA 258
562A	QUANTUM CHEMISTRY		03.0 CR
	PREREQ	CHEM 464 CR CONSENT OF INSTRUCTOR	
1	03.00	M W F	PHY SC 116
569	ADV TOPICS-PHYSICAL		02.0 TO 30.0 CR
	PREREQ	CHEM 561	
1	11.00	M W F	PHY SC 118
594A	SP READ-CHEM ANALY		02.0 TO 15.0 CR
	PREREQ	24 HRS OF 500 CHEM AND CONSENT OF DIV	
1	TO BE ARRANGED		
594B	SP READ-CHEM BIO		02.0 TO 15.0 CR
	PREREQ	24 HRS OF 500 CHEM AND CONSENT OF DIV	
1	TO BE ARRANGED		
594C	SP READ-CHEM INORG		02.0 TO 15.0 CR
	PREREQ	24 HRS OF 500 CHEM AND CONSENT OF DIV	
1	TO BE ARRANGED		
594D	SP READ-CHEM ORGAN		02.0 TO 15.0 CR
	PREREQ	24 HRS OF 500 CHEM AND CONSENT OF DIV	
1	TO BE ARRANGED		

594E SP READ-CHEM PHYS 02.0 TO 15.0 CR
 PREREQ 24 HRS OF 500 CHEM AND CONSENT
 OF DIV
 1 TO BE ARRANGED
 595A ADV SEM-CHEM ANALY 00.0 TO 09.0 CR
 PREREQ 24 HRS OF 500 CHEM AND CONSENT
 OF DIV
 1 04.00-05.50 M PHY SC 218
 595B ADV SEM-CHEM BIO 00.0 TO 09.0 CR
 PREREQ 24 HRS OF 500 CHEM AND CONSENT
 OF DIV
 1 04.00-05.50 T PHY SC 116
 595C ADV SEM-CHEM INORG 00.0 TO 09.0 CR
 PREREQ 24 HRS OF 500 CHEM AND CONSENT
 OF DIV
 1 04.00-05.50 W PHY SC 218
 595D ADV SEM-CHEM ORGAN 00.0 TO 09.0 CR
 PREREQ 24 HRS OF 500 CHEM AND CONSENT
 OF DIV
 1 04.00-05.50 F PHY SC 218
 595E ADV SEM-CHEM PHYS 00.0 TO 09.0 CR
 PREREQ 24 HRS OF 500 CHEM AND CONSENT
 OF DIV
 1 04.00-05.50 TH PHY SC 218
 596A ADV CHEM PROB-ANAL 03.0 TO 20.0 CR
 PREREQ CONSENT OF DEPT CHAIRMAN
 1 07.00-09.50 PM TH PHY SC 410
 596B ADV CHEM PROB-BIO 03.0 TO 20.0 CR
 PREREQ CONSENT OF DEPT CHAIRMAN
 1 TO BE ARRANGED
 596C ADV CHEM PROB-INORG 03.0 TO 20.0 CR
 PREREQ CONSENT OF DEPT CHAIRMAN
 1 04.00 MTWTF PHY SC 240
 596D ADV CHEM PROB-ORGAN 03.0 TO 20.0 CR
 PREREQ CONSENT OF DEPT CHAIRMAN
 1 TO BE ARRANGED
 596E ADV CHEM PROB-PHYS 03.0 TO 20.0 CR
 PREREQ CONSENT OF DEPT CHAIRMAN
 1 TO BE ARRANGED
 597A RES + THESIS-ANAL 03.0 TO 40.0 CR
 PREREQ CONSENT OF DEPT CHAIRMAN
 1 TO BE ARRANGED
 597B RES + THESIS-BIO 03.0 TO 40.0 CR
 PREREQ CONSENT OF DEPT CHAIRMAN
 1 TO BE ARRANGED
 597C RES + THESIS-INORG 03.0 TO 40.0 CR
 PREREQ CONSENT OF DEPT CHAIRMAN
 1 TO BE ARRANGED
 597D RES + THESIS-ORGAN 03.0 TO 40.0 CR
 PREREQ CONSENT OF DEPT CHAIRMAN
 1 TO BE ARRANGED
 597E RES + THESIS-PHYS 03.0 TO 40.0 CR
 PREREQ CONSENT OF DEPT CHAIRMAN
 1 TO BE ARRANGED
 598A RES-DOCTOR ANALY 03.0 TO 48.0 CR
 PREREQ M A DEGREE OR EQUIV
 1 TO BE ARRANGED
 598B RES-DOCTOR BIOCHEM 03.0 TO 48.0 CR
 PREREQ M A DEGREE OR EQUIV
 1 TO BE ARRANGED
 598C RES-DOCTOR INORGAN 03.0 TO 48.0 CR
 PREREQ M A DEGREE OR EQUIV
 1 TO BE ARRANGED
 598D RES-DOCTOR ORGANIC 03.0 TO 48.0 CR
 PREREQ M A DEGREE OR EQUIV
 1 TO BE ARRANGED
 598E RES-DOCTOR PHYS 03.0 TO 48.0 CR
 PREREQ M A DEGREE OR EQUIV
 1 TO BE ARRANGED

SCHMULBACH CHARLES

600A DISSERT ANALYTICAL 03.0 TO 48.0 CR
 PREREQ ADMISSION TO PH D CANDIDACY
 1 TO BE ARRANGED

600B DISSERT BIOCHEM 03.0 TO 48.0 CR
 PREREQ ADMISSION TO PH D CANDIDACY
 1 TO BE ARRANGED

600C DISSERT INORGANIC 03.0 TO 48.0 CR
 PREREQ ADMISSION TO PH D CANDIDACY
 1 TO BE ARRANGED

600D DISSERT ORGANIC 03.0 TO 48.0 CR
 PREREQ ADMISSION TO PH D CANDIDACY
 1 TO BE ARRANGED

600E DISSERT - PHYSICAL 03.0 TO 48.0 CR
 PREREQ ADMISSION TO PH D CANDIDACY
 1 TO BE ARRANGED

Cinema and Photography (C & P)

313 VISUAL DES IN PHOTO 04.0 CR
 PREREQ 320

1	10.00-11.50	T	PHY SB	440	GILMORE
	09.00	W	COMM	1018	
2	10.00-11.50	T	PHY SB	440	GILMORE
	10.00	W	COMM	1006	
3	10.00-11.50	T	PHY SB	440	GILMORE
	09.00	TH	TECH A	122	
4	10.00-11.50	T	PHY SB	440	GILMORE
	10.00	TH	TECH A	410	

321 INTERMEDIATE PHOTO 04.0 CR
 PREREQ C+P 320

1	11.00	M W	WHAM	308	SWAY
	01.00	T	COMM	1022	
	03.00-04.50	M	COMM	1129	
2	11.00	M W	WHAM	308	SWAY
	01.00	TH	TECH A	320	
	03.00-04.50	T	COMM	1129	
3	11.00	M W	WHAM	308	SWAY
	02.00	M	LS II	130	
	03.00-04.50	W	COMM	1129	
4	11.00	M W	WHAM	308	SWAY
	02.00	T	COMM	1022	
	03.00-04.50	TH	COMM	1129	

351 INTRO TO FILM THEOR 04.0 CR
 1 01.00 M W LAWSON 101 BLUMENBERG
 01.00-02.50 F LAWSON 101
 SCREENING FEE - 5 DOLLARS

356 INTERMED FILM PROC 04.0 CR
 PREREQ C+P 355

1	10.00	M W F	COMM	1122	MERCER
	07.00-09.50 PM	T	COMM	1122	

361 FILM PLAN + SCRIPT 04.0 CR
 1 01.00-02.50 T COMM 1021 MERCER
 01.00-02.50 TH PARK 111

405 COMMERCIAL PHOTO 04.0 CR
 PREREQ 322

1	01.00	T TH	COMM	1122	GILMORE
	01.00-02.50	F	COMM	1122	

409 PICTURE EDITING 04.0 CR
 1 02.00 MTWTH COMM 1122 HORRELL

420 EXPERIMENTAL PHOTO 04.0 CR
 PREREQ 322

1	10.00-11.50	T	COMM	1122	SWAY
	09.00-10.50	W	COMM	1021	
	09.00-10.50	S	COMM	1129	
2	10.00-11.50	T	COMM	1122	SWAY
	09.00-10.50	TH	LS II	228	
	10.00-11.50	S	COMM	1129	

450 FILM + SOCIETY 04.0 CR
 1 09.00 MTWTH COMM 1122 DAVIS

456 WORKSHOP-FILM PROD 01.0 TO 06.0 CR
 PREREQ CONSENT OF DEPT + FILM PRODUCT
 ION

1	TO BE ARRANGED				PAINE
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458	PROJ-CINEMA + PHOTO	01.0 TO 12.0 CR		
	PREREQ CONSENT OF DEPT			
1	TO BE ARRANGED			
461	HIST SOUND FILM	04.0 CR		
1	04.00 M	LAWSON 201	BLUMENBERG	
	04.00-05.50 T TH	LAWSON 201		
480	IND STUDY IN C+P	01.0 TO 12.0 CR		
	PREREQ CONSENT OF DEPT			
1	TO BE ARRANGED			

Clothing and Textiles (C & T)

127A	CLOTHING SELECTION	02.0 CR		
1	09.00 T TH	H EC 140B	RIDLEY SAMANTHA SUE	
127B	CLOTHING CONSTRUCT	02.0 CR		
1	08.00-09.50 W F	H EC 303		
2	10.00-11.50 T TH	H EC 310		
3	10.00-11.50 M W	H EC 310		
4	03.00-04.50 T TH	H EC 310		
233	PATT DES + CLO CONS	03.0 CR		
	PREREQ C+T 127 CR CONSENT OF CHAIRMAN			
1	08.00-09.50 W F	H EC 310	RIDLEY	
2	01.00-02.50 T TH	H EC 310	RIDLEY SAMANTHA SUE	
304	TEXTILES	04.0 CR		
	PREREQ CHEM 110 AND 24C			
1	10.00 M W F	H EC 203	PADGETT	
	10.00-11.50 S	H EC 301		
2	10.00 M W F	H EC 203	PADGETT	
	10.00-11.50 T	H EC 301		
329	FASHION	03.0 CR		
1	09.00 T TH S	H EC 203	BERRY	
334	COSTUME DESIGN	03.0 CR		
	PREREQ 127A, CR CONSENT OF CHAIRMAN			
1	09.00 M W F	H EC 203	BERRY THELMA H	
395	SPECIAL PROBLEMS	02.0 TO 04.0 CR		
	PREREQ CONSENT OF CHAIRMAN			
1	TO BE ARRANGED			
434	HISTORY OF CLOTHING	04.0 CR		
1	01.00 M W	H EC 303	BERRY THELMA H	
	01.00-02.50 F	H EC 303	BERRY THELMA H	

Child and Family (C & F)

227	FAMILY LIVING	03.0 CR		
1	02.00 M W F	H EC 140B		
2	06.00-07.25 PM T TH	H EC 140B		
237	CHILD DEVELOPMENT	03.0 CR		
1	09.00 M W F	H EC 140B		
2	06.00-07.25 PM M W	H EC 140B		
345A	CHILD DEVELOP PRACT	02.0 CR		
1	04.00 T	H EC 120	PONTON	
	+ 2 HRS TBA			
345B	CHILD DEVELOP PRACT	03.0 CR		
1	04.00 W	H EC 120	PONTON	
	+ 3 CONSECUTIVE HRS TBA			
366	FAMILY DEVELOPMENT	03.0 CR		
	PREREQ C+F 227 CR GSB 341			
1	11.00 M W F	H EC 120		
408	WORKSHOP	02.0 TO 03.0 CR		
1	06.00-07.25 PM W	H EC 120		
456	INFANT DEVELOPMENT	04.0 CR		
	PREREQ 237, PSYC 301			
1	06.00-09.00 PM TH	H EC 120		
471	FIELD EXPERIENCE	02.0 TO 06.0 CR		
	PREREQ CONSENT OF CHAIRMAN			
1	TO BE ARRANGED		ZUNICH	
481	READINGS	02.0 TO 04.0 CR		
	PREREQ CONSENT OF INSTR + CHAIRMAN			
1	TO BE ARRANGED			
562	CH DEV-HOME + SCH	04.0 CR		
1	06.00-09.00 PM T	H EC 120		

572 SPECIAL PROBLEMS 02.0 TO 08.0 CR
 PREREQ CONSENT OF DEPT
 1 TO BE ARRANGED
 599 THESIS 02.0 TO 09.0 CR
 1 TO BE ARRANGED

Community Development (CD)

401 INTRO TO CD 04.0 CR
 PREREQ 4 HRS SOC CR CONSENT OF INSTR
 1 04.00-06.00 T TH 0686 29
 501 SMALL GP PROCESS-CD 04.0 CR
 PREREQ CD 401, CONSENT OF INSTR
 1 04.00-06.00 M W 0686 29
 502 COMMUNITY + CHANGE 04.0 CR
 PREREQ CD 401, INSTR CONSENT
 1 07.00-09.00 PM T TH 0686 29
 511 LAB-SMALL GP PROCES 04.0 CR
 PREREQ CD 401, 501 OR CONSENT OF INSTR
 2
 1 07.00-09.00 PM M W 0686 29
 596 INDEPEND STUDY - CD 01.0 TO 08.0 CR
 PREREQ CD 401 + CONSENT OF INSTR
 1 TO BE ARRANGED
 598 RES SEM IN CD 04.0 CR
 PREREQ CD 401, 501, 502, 503 + 511
 1 TO BE ARRANGED
 599 THESIS RESEARCH 01.0 TO 08.0 CR
 PREREQ CD 401, 501, 502, 503, 511 + 5
 98
 1 TO BE ARRANGED

Design (DES)

100 DESIGN FUNDAMENTALS 05.0 TO 15.0 CR
 1 01.00-03.50 M W 0847 107
 06.30-10.00 PM W H EC 140B
 2 01.00-03.50 T TH 0847 107
 06.30-10.00 PM W H EC 140B
 3 07.00-09.50 PM T TH 0847 107
 06.30-10.00 PM W H EC 140B
 200 MAT AND BASIC TECH 02.0 TO 06.0 CR
 PREREQ DES 100
 1 TO BE ARRANGED
 215 BASIC P-S DESIGN 04.0 TO 12.0 CR
 PREREQ DES 100
 1 TO BE ARRANGED
 275 BASIC VISUAL DESIGN 04.0 TO 12.0 CR
 PREREQ DES 100
 1 TO BE ARRANGED
 300 MAT AND BASIC TECH 02.0 TO 06.0 CR
 PREREQ DES 200
 1 TO BE ARRANGED
 345 DESIGN STUDIO 04.0 TO 12.0 CR
 1 TO BE ARRANGED
 2 TO BE ARRANGED
 366 P-S DESIGN 05.0 TO 15.0 CR
 PREREQ DES 200 215 275
 1 TO BE ARRANGED
 2 TO BE ARRANGED
 3 TO BE ARRANGED
 375 VISUAL DESIGN 05.0 TO 15.0 CR
 PREREQ DES 200 215 215
 1 TO BE ARRANGED
 2 TO BE ARRANGED
 3 TO BE ARRANGED
 390 PRIN OF DESIGN 02.0 CR
 1 07.30-09.30 PM W 0853 101
 400 MAT + BASIC TECH 00.0 TO 02.0 CR
 1 TO BE ARRANGED
 2 TO BE ARRANGED

465F	RES IN P-S DESIGN	05.0 TO 15.0 CR
	PREREQ 12 HRS OF DES 366 OR ITS EQUIV	
1	TO BE ARRANGED	
2	TO BE ARRANGED	
465G	RES IN VISJAL DES	05.0 TO 15.0 CR
	PREREQ 12 HRS OF DES 375 OR ITS EQUIV	
1	TO BE ARRANGED	
2	TO BE ARRANGED	
490F	STUDIO P-S DESIGN	02.0 TO 12.0 CR
1	TO BE ARRANGED	
490G	STUDIO-VISJAL DES	02.0 TO 12.0 CR
1	TO BE ARRANGED	
520	EDUC TOOL SYSTEMS	04.0 TO 10.0 CR
1	TO BE ARRANGED	
530	STUD IN IND PROCESS	04.0 TO 12.0 CR
1	TO BE ARRANGED	
535	RES IN PRODUCT DES	04.0 TO 12.0 CR
1	TO BE ARRANGED	
540	STUDIES IN COMM DES	04.0 TO 12.0 CR
1	TO BE ARRANGED	
545	RES IN COMM DESIGN	04.0 TO 12.0 CR
1	TO BE ARRANGED	
550	FIELD STUDY DESIGN	02.0 TO 16.0 CR
1	TO BE ARRANGED	
560	ENVIRONMENT CONTROL	04.0 TO 12.0 CR
1	TO BE ARRANGED	
599	THESIS	03.0 TO 09.0 CR
1	TO BE ARRANGED	

Economics (ECON)

214	ECONOMICS-MACRO	04.0 CR	
1	08.00	MTWTH	WHAM 308
2	08.00	MTWTH	PULL 38
3	11.00	MTW	LAWSON 101 HAND
	11.00	TH	LAWSON 231
4	12.00	M WTHF	LAWSON 231
5	01.00	W F	LAWSON 231
	01.00	T TH	PARK 204
6	01.00	T THF	WHAM 308
	01.00	W	LAWSON 201
7	05.45-07.25	M W	LAWSON 131
8	05.45-07.25	T TH	LAWSON 131
215	ECONOMICS-MICRO	04.0 CR	
	PREREQ ECON 214		
1	08.00	TWTHF	WHAM 302
2	10.00	W F	LAWSON 221
	10.00	M	LAWSON 201
	10.00	TH	WHAM 308
3	10.00	M WTHF	AG 214
4	12.00	TWTHF	AG 214
5	02.00	T THF	WHAM 302
	02.00	M	WHAM 308
6	04.00	MTWTH	LAWSON 221
7	04.00	MTWTH	LAWSON 101
8	05.45-07.25	T TH	LAWSON 101
301	ECONOMIC READINGS	01.0 TO 06.0 CR	
	PREREQ CONSENT OF INSTR + CHAIRMAN		
1	TO BE ARRANGED		
308	ECON-BUS STAT I	04.0 CR	
	PREREQ SSD 110		
1	12.00	MT THF	AG 24 BOHI
2	11.00	MTW F	AG 216 OBOYLE
3	07.35-09.15 PM	M W	CL 24 OBOYLE
4	04.00	MTWTH	LS II 450 BUNGER
5	03.00	MT THF	LS II 350 OBOYLE
310	LABOR PROBLEMS	04.0 CR	
	PREREQ ECON 215		
1	01.00	TWTHF	WHAM 202 MORRISON
315	MONEY AND BANKING I	04.0 CR	
	PREREQ ECON 215 CR CONSENT OF INSTR		
1	09.00	MT THF	WHAM 329 FRYMAN

2	12.00	MTW F	LS II	450	PETRO
3	02.00	MTWTH	AG	168	HOLLENHORST
330	PUBLIC FINANCE			04.0 CR	
	PREREQ	GSB 211A CR ECCN 215 JR			
		CONSENT OF INSTR			
1	11.00	TWTHF	WHAM	228	MORRISON VERNON G
418	ECON HIST OF EUROPE			04.0 CR	
	PREREQ	ECON 211A CR 215 OR CONSENT OF INSTR			
1	03.00	TWTHF	CL	109	WIEGAND
420	RECENT EC HIST U S			04.0 CR	
	PREREQ	ECON 215			
1	10.00	MTW	AG	154	LAYER ROBERT S
	10.00	F	COMM	1020	
422	INTRO ECON DEVELOP			04.0 CR	
	PREREQ	ECON 215			
1	10.00	MT THF	CL	109	FORD
436	GOVT AND LABOR			03.0 CR	
	PREREQ	ECON 215 CR GSB 211C			
1	03.00	MT	AG	154	EDELMAN MILTON T
	03.00	TH	AG	144	
	CROSSLISTED WITH GOVT 436				
440	INTERMED MICRO THEO			04.0 CR	
	PREREQ	ECON 215 CR CONSENT OF INSTR			
1	09.00	M WTHF	LS I	323	SCULLY
2	02.00	MTWTH	LS I	205	BUNGER
3	05.45-07.25	M W	H EC	201	FURAN
441	INTERMED MACRO TH			04.0 CR	
	PREREQ	ECON 214			
1	11.00	MT THF	LS II	350	PETRO
2	03.00	MTWTH	WHAM	202	STALON
3	04.00	MTWTH	LS II	350	HOLLENHORST
450A	HIST ECON THOUGHT			03.0 CR	
	PREREQ	ECON 215 CR CONSENT OF INSTR			
1	01.00	T TH	LS II	146	WIEGAND G CARL
	01.00	F	LS II	250	
467	ECONOMETRICS I			04.0 CR	
	PREREQ	CONSENT OF INSTR			
1	03.00	MT THF	PHY SA	160	BOHI
501	ECONOMICS READING			01.0 TO 05.0 CR	
	PREREQ	CONSENT OF DEPARTMENT			
1	TO BE ARRANGED				
502	READING IN RES ECON			01.0 TO 06.0 CR	
	PREREQ	CONSENT OF FORESTRY DEPT			
1	TO BE ARRANGED				
520B	EC DEV TH + POLICY			04.0 CR	
	PREREQ	ECON 440 AND 441			
1	11.00-12.50	M W	PHY SC	410	BADRE ALBERT
531	SEM IN INTL ECCN			04.0 CR	
	PREREQ	ECON 530 CR CONSENT OF INSTR			
1	08.00	T THF	CL	25	STOWE
	08.00	M	CL	24	
533	PUB FIN THEORY + PR			04.0 CR	
	PREREQ	ECON 330 AND CONSENT OF INSTR			
1	05.45-07.25	M	CL	25	PULSIPHER
	07.35-09.15 PM	TH	CL	25	
540A	MICRECON THEORY I			04.0 CR	
	PREREQ	440 OR CONSENT OF INSTR			
1	05.45-07.25	T TH	H EC	201	SCULLY
541B	NATL INCOME THEORY			04.0 CR	
	PREREQ	ECON 441 CR CONSENT OF INSTR			
1	09.00	TWTHF	PULL	43	CORNWALL
552	SEM IN ECON THOUGHT			04.0 CR	
	PREREQ	ECON 450A CR B CR CONSENT OF INSTRUCTOR			
1	07.35-09.15 PM	M W	WHAM	208	HICKMAN
566	MATH ECON II			04.0 CR	
	PREREQ	ECON 440 CR 465 OR CONSENT OF INSTR			
1	01.00	TWTHF	CL	25	MARTINSEK THOMAS A

599	THESIS	01.0 TO 09.0 CR
1	TO BE ARRANGED	
600	DOCTORAL DISSERTAT	01.0 TO 48.0 CR
1	TO BE ARRANGED	

Educational Administration and Foundations (EDAF)

355	PHILOSOPHY OF EDUC		04.0 CR	
1	08.00	MTWTH	WHAM	205
2	09.00	MTWTH	WHAM	206
3	10.00	MTWTH	WHAM	208
4	10.00	MTWTH	WHAM	228
5	11.00	MTWTH	WHAM	203
6	12.00	MTWTH	WHAM	228
7	01.00	MTWTH	WHAM	112
8	02.00	MTWTH	WHAM	112
9	03.00	MTWTH	WHAM	206
10	05.45-07.25	M W	WHAM	208
11	05.45-07.25	T TH	WHAM	112
12	04.00	MTWTH	WHAM	302
13	12.00	MTWTH	WHAM	206
360	SUBCULT IN AMER ED		04.0 CR	
1	08.00	TWTH	WHAM	328
	08.00	F	WHAM	329
				VINOCUR SAMUEL M
				VINOCUR SAMUEL M
431	HIST OF EDJC IN U S		04.0 CR	
1	06.30-09.00 PM	W	WHAM	329
				VINOCUR SAMUEL M
432	EDUC + SOC FORCES		04.0 CR	
1	06.30-09.00 PM	W	WHAM	321
				COUNTS GEORGE S
500	RESEARCH METHODS		04.0 CR	
1	09.00-11.30	S	WHAM	326
2	06.30-09.00 PM	TH	WHAM	206
3	06.30-09.00 PM	M	WHAM	326
				BACH JACOB D
501B	SEMINAR IN EDAD		04.0 CR	
	PREREQ EDAF 501A			
1	06.30-09.00 PM	M	WHAM	319
502	SEMINAR COMP EDUC		04.0 CR	
1	10.00	MTWTH	WHAM	328
				LEAN ARTHUR EDWARD
507B	20TH CENTURY + EDUC		04.0 CR	
1	04.30-07.00	TH	WHAM	329
				COUNTS BRACEWELL
511A	INTERN PRACTICUM		04.0 CR	
	PREREQ CONSENT OF THE DEPARTMENT ADVISORY COMMITTEE			
1	TO BE ARRANGED			EWING PARKER LELAND
511B	INTERN PRACTICUM		04.0 CR	
	PREREQ 511A			
1	TO BE ARRANGED			EWING PARKER LELAND
511C	INTERN PRACTICUM		04.0 CR	
	PREREQ 511B			
1	TO BE ARRANGED			EWING PARKER LELAND
520B	ILLINOIS SCHOOL LAW		04.0 CR	
	PREREQ 520A			
1	06.30-09.00 PM	T	WHAM	328
				SASSE EDWARD B
524A	SCHL ADMINISTRATION		04.0 CR	
1	06.30-09.00 PM	T	WHAM	202
524B	SCHL ADMINISTRATION		04.0 CR	
	PREREQ EDAF 524A			
1	06.30-09.00 PM	W	WHAM	210
				SASSE EDWARD B
534B	SCHOOL BUSINESS ADM		04.0 CR	
1	06.30-09.00 PM	M	WHAM	206
				BLISS SAMUEL W
554	CONTRAST PHIL IN ED		04.0 CR	
	PREREQ 355 CR PHIL 355 OR EQUIVALENT			
1	09.00-11.30	S	WHAM	328
				LEAN ARTHUR EDWARD
556A	SCHOOL SUPERVISION		04.0 CR	
1	06.30-09.00 PM	W	WHAM	319
				ARMISTEAD FRED J
556B	SEM-ED SUPERVISION		04.0 CR	
	PREREQ EDAF 556A			
1	06.30-09.00 PM	T	WHAM	231
				BRACEWELL GEORGE
560	CURRICULUM		04.0 CR	
1	06.30-09.00 PM	W	WHAM	312
				FISHBACK WOODSON W
563	SCHOOL PUBLIC REL		04.0 CR	
1	09.00-11.30	S	WHAM	319
				NEAL CHARLES D

575A	IND RES CURRICULUM	01.0 TO 04.0 CR			
	PREREQ CONSENT CF INSTR				
1	TO BE ARRANGED				
575B	IND RES SUPERVISION	01.0 TO 04.0 CR			
	PREREQ CONSENT CF INSTR				
1	TO BE ARRANGED				
575C	IND RES BUILDINGS	01.0 TO 04.0 CR			
	PREREQ CONSENT CF INSTR				
1	TO BE ARRANGED				
575D	IND RES FINANCE	01.0 TO 04.0 CR			
	PREREQ CONSENT CF INSTR				
1	TO BE ARRANGED				
575E	IND RES SCHOOL LAW	01.0 TO 04.0 CR			
	PREREQ CONSENT CF INSTR				
1	TO BE ARRANGED				
575F	IND RES COMPAR EDUC	01.0 TO 04.0 CR			
	PREREQ CONSENT CF INSTR				
1	TO BE ARRANGED				
575G	IND RES HIST EDUC	01.0 TO 04.0 CR			
	PREREQ CONSENT CF INSTR				
1	TO BE ARRANGED				
575H	IND RES PHIL EDUC	01.0 TO 04.0 CR			
	PREREQ CONSENT CF INSTR				
1	TO BE ARRANGED				
575J	IND RES ADMIN	01.0 TO 04.0 CR			
	PREREQ CONSENT CF INSTR				
1	TO BE ARRANGED				
576A	READINGS ADM-SUPV	01.0 TO 04.0 CR			
	PREREQ CONSENT CF DEPT CHAIRMAN AND INSTRUCTOR				
1	TO BE ARRANGED				
576B	READINGS ADM-SUPV	01.0 TO 04.0 CR			
	PREREQ CONSENT CF DEPT CHAIRMAN AND INSTRUCTOR				
1	TO BE ARRANGED				
576C	READINGS ADM-SUPV	01.0 TO 04.0 CR			
	PREREQ CONSENT CF DEPT CHAIRMAN AND INSTRUCTOR				
1	TO BE ARRANGED				
589	GEN GRAD SEMINAR	02.0 TO 12.0 CR			
	PREREQ CONSENT CF INSTRUCTOR				
1	04.00-05.30 T WHAM 231 EAMES				
591	SEM-SOC + PHIL FOUN	02.0 CR			
	PREREQ ADVANCED STANDING				
1	10.00-11.50 W WHAM 301A MCKENZIE WILLIAM R				
592	DOCT SEM CJLT FOUN	04.0 CR			
	PREREQ 591				
1	10.00-11.50 T TH WHAM 301A MCKENZIE WILLIAM R				
596	IND INVESTIGATION	05.0 TO 09.0 CR			
1	TO BE ARRANGED				STUCK DEAN L
600	DISSERTATION	01.0 TO 48.0 CR			
1	TO BE ARRANGED				

Elementary Education (ELED)

100	INTRO TO ELEM EDUC	03.0 CR			
1	09.00 M W F WHAM 201				BRADFELD LUTHER E
2	10.00 M W F WHAM 210				
3	12.00 M W F WHAM 210				
4	01.00 M W F WHAM 210				
5	02.00 M W F WHAM 210				LIU PATRICIA P
6	06.30-09.00 PM T H WHAM 202				
101	DEVEL RDING-LRN SKL	02.0 CR			
1	08.00 M W F WHAM 114				
2	08.00 T TH S WHAM 114				
3	09.00 M W F WHAM 114				
4	10.00 M W F WHAM 114				
5	10.00 T TH S WHAM 114				
6	11.00 T TH S WHAM 114				
7	11.00 M W F WHAM 114				
8	12.00 M W F WHAM 114				
9	01.00 M W F WHAM 114				

10	02.00	M W F	WHAM	114	
11	03.00	M W F	WHAM	114	
12	04.00	M W F	WHAM	114	
13	12.00-01.20	T TH	WHAM	114	
14	03.00-04.20	T TH	WHAM	114	
15	06.00	PM T TH	WHAM	114	
203	UNDRSTD EL SCH CHLO			03.0 CR	
	PREREQ	GSB 201C			
1	11.00	T TH	WHAM	205	ZIMMY
	SECT 1 RESTRICTED SEE FOOTNOTE BELOW				
2	02.00	T TH	WHAM	210	
	SECT 2 RESTRICTED-SEE FOOTNOTE BELOW				
3	03.00	T TH	WHAM	208	CASPER
4	03.00	W F	WHAM	208	CASPER
309	KIND-PRIM SOC STUD			03.0 CR	
	PREREQ	316			
1	01.00	MTWTH	WHAM	203	ZIMNY BILLIE
2	02.00	MTWTH	WHAM	303	ZIMNY BILLIE
314	ELEM SCHOOL METHCDS			04.0 CR	
	PREREQ	GUID 305			
1	08.00	MTWTH	WHAM	206	LAMB
2	09.00	TWTHF	WHAM	203	MAGGART WILLIAM
	SECT 2 RESTRICTED SEE FOOTNOTE BELOW				
3	10.00	TWTHF	WHAM	205	LINDBERG DORMALEE H
	SECT 3 RESTRICTED-SEE FOOTNOTE BELOW				
4	01.00	MTWTH	WHAM	206	RANDOLPH VICTOR
5	02.00	TWTHF	WHAM	206	LINDBERG DORMALEE H
6	06.30-09.00 PM	W	WHAM	201	MELVIN
7	06.30-09.00 PM	T	WHAM	203	SWICK
316	KINDER PRIMARY METH			04.0 CR	
	PREREQ	GUID 305			
1	09.00	M W	WHAM	303	DUFF
	09.00	T TH	WHAM	201	BAKER REBECCA E
337	READING IN ELEM SCH			04.0 CR	
	PREREQ	314			
1	09.00	MTWTH	WHAM	210	RAGSDALE TED R
2	10.00	MTWTH	WHAM	206	RANDOLPH VICTOR
3	10.00	MTWTH	WHAM	203	BROD ERNEST E
4	11.00	MTWTH	WHAM	210	RAGSDALE TED R
5	02.00	MTWTH	WHAM	203	BROD ERNEST E
6	03.00	MTWTH	WHAM	203	BROD ERNEST E
7	06.30-09.00 PM	M	WHAM	305	FISHCO
8	06.30-09.00 PM	T	WHAM	210	
350	KIND PRI STUD TCH			04.0 TO 16.0 CR	
1	TO BE ARRANGED				
351	EL STUDENT TCH			04.0 TO 16.0 CR	
1	TO BE ARRANGED				
	GENERAL				
2	TO BE ARRANGED				
	ART				
3	TO BE ARRANGED				
	EMH				
4	TO BE ARRANGED				
	MUS				
5	TO BE ARRANGED				
	PE				
6	TO BE ARRANGED				
	PH				
7	TO BE ARRANGED				
	SP C				
8	TO BE ARRANGED				
	SP ED				
375	READINGS IN EL ED			02.0 TO 03.0 CR	
1	TO BE ARRANGED				
2	TO BE ARRANGED				
411	SEM - INSTRUCTION			02.0 TO 04.0 CR	
1	TO BE ARRANGED				
	RESTRICTED - SEE FOOTNOTE BELOW				
413	CHILDRENS LIT			04.0 CR	
	PREREQ	GUID 305			
1	09.00	MTWTH	LS II	330	FUSKIN

2	11.00	MTWTH	WHAM	206	HOSKIN
415	IMPR ARITH ELEM SCH	02.0 TO 04.0 CR			
	PREREQ MATH 210 CR	CONSENT OF INSTR			
1	01.00	MTWTH	WHAM	208	BEATTIE IAN D
2	06.30-09.00 PM	W	WHAM	206	BEATTIE IAN D
3	06.30-09.00 PM	TH	WHAM	228	ALSTON
431	ED FOR DISADV CHILC	02.0 TO 04.0 CR			
	PREREQ 337				
1	TO BE ARRANGED				SLOAN FRED A JR
	RESTRICTED-SEE FOOTNOTE BELOW				
437	PROB IN READING	04.0 CR			
	PREREQ SENIOR STANDING, 337, NOT OPEN				
	TO ONES HAVING HAD 505				
1	06.30-09.00 PM	M	WHAM	210	RAGSDALE TED R
442	TEACH EL SCH SCI	04.0 CR			
1	10.00	TWTHF	PULL	304	TOMERA AUDREY N
2	01.00	MTWTH	PULL	304	HUNGERFORD HAROLD R
3	06.30-09.00 PM	TH	PULL	304	HUNGERFORD HAROLD R
4	06.30-09.00 PM	W	PULL	304	TOMERA AUDREY
5	11.00	MTWTH	PULL	304	JAMES HELEN
443	WKSHP-SOC STUDIES	04.0 CR			
1	09.00-11.30	S	WHAM	210	LAMB
445	PAR INVOLVE IN EDUC	04.0 CR			
	PREREQ STUDENT TEACHING OR CONSENT OF				
	INSTRUCTOR				
1	06.30-09.00 PM	M	WHAM	303	BAKER REBECCA E
475C	WKSHP ELED-LANG ART	02.0 TO 08.0 CR			
	PREREQ ELED 314				
1	09.00-11.30	S	WHAM	208	BULLER
507	READINGS IN READING	02.0 TO 04.0 CR			
	PREREQ 505 AND CONSENT OF INSTRUCTOR				
1	TO BE ARRANGED				HILL MARGARET
2	TO BE ARRANGED				BULLER
509	PRACTICUM IN READ	04.0 TO 08.0 CR			
	PREREQ 521A, B, AND C, + CONSENT OF				
	INSTRUCTOR				
1	TO BE ARRANGED				FISHCO DANIEL T
515	PROB ARITH ELEM SCH	04.0 CR			
	PREREQ 415 OR CONSENT OF INSTRUCTOR				
1	06.30-09.00 PM	T	WHAM	208	BEATTIE IAN D
516	INTERV IN READING	04.0 TO 12.0 CR			
	PREREQ 521A, B, AND C, + CONSENT OF				
	INSTRUCTOR				
1	TO BE ARRANGED				HILL MARGARET
519	READINGS-ELEM MATH	02.0 TO 04.0 CR			
	PREREQ 415, 515				
1	TO BE ARRANGED				BEATTIE IAN D
520	DIAG ELEM MATH DISA	04.0 CR			
	PREREQ 515 OR CONCURRENT REGISTRATION				
1	TO BE ARRANGED				BEATTIE
521B	DIAG-COR READ DISA	04.0 CR			
	PREREQ 521A				
1	09.00-11.30	S	WHAM	118	HILL
521C	DIAG-COR READ DISA	04.0 CR			
	PREREQ 521B				
1	03.00-05.30	M	WHAM	201	FISCHO
	RESTRICTED-TEACHER CORPS ONLY				
525	KIND-PRI SEMINAR	04.0 CR			
	PREREQ EDAP 500 CR EQUIVALENT				
1	06.30-09.00 PM	W	WHAM	303	BAKER
541	PROB EL SCH SCI	04.0 CR			
	PREREQ 441 OR 442 OR CONSENT OF INSTR				
1	06.30-09.00 PM	M	PULL	304	HUNGERFORD
543	SOC STUD IN EL SCH	04.0 CR			
1	06.30-09.00 PM	T	WHAM	206	RANDOLPH VICTOR
557	ELEM PRINCIPALSHIP	04.0 CR			
1	06.30-09.00 PM	TH	WHAM	208	MATTHIAS
561	ELEM SCH CJRR	04.0 CR			
1	06.30-09.00 PM	M	WHAM	203	LINDBERG

575A	IND RES CURRICULUM	02.0 TO 04.0 CR	
1	TO BE ARRANGED		SLOAN FRED A JR
2	TO BE ARRANGED		LINDBERG
575B	IND RES SUPERVISION	02.0 TO 04.0 CR	
1	TO BE ARRANGED		BRADFIELD LUTHER E
575C	IND RES LANG ARTS	02.0 TO 04.0 CR	
1	TO BE ARRANGED		RAGSDALE TED R
2	TO BE ARRANGED		
575D	IND RES SCIENCE	02.0 TO 04.0 CR	
1	TO BE ARRANGED		HUNGERFORD HAROLD R
2	TO BE ARRANGED		JAMES
575E	IND RES READING	02.0 TO 04.0 CR	
1	TO BE ARRANGED		HILL MARGARET
2	TO BE ARRANGED		BULLER
575F	IND RES SOC STUD	02.0 TO 04.0 CR	
1	TO BE ARRANGED		RANDOLPH VICTOR
2	TO BE ARRANGED		SWICK
575G	IND RES ELEM ED	02.0 TO 04.0 CR	
1	TO BE ARRANGED		SLOAN FRED A JR
2	TO BE ARRANGED		LAMB
575H	IND RES ARITHMETIC	02.0 TO 04.0 CR	
1	TO BE ARRANGED		BEATTIE
575J	IND RES PRGB IN K-P	02.0 TO 04.0 CR	
1	TO BE ARRANGED		BAKER REBECCA E
596	INDEPENDENT INVEST	05.0 TO 09.0 CR	
1	TO BE ARRANGED		
599	THESIS	03.0 TO 09.0 CR	
1	TO BE ARRANGED		
600	DISSERTATION	01.0 TO 48.0 CR	
1	TO BE ARRANGED		LEE J MURRAY
2	TO BE ARRANGED		HILL MARGARET
3	TO BE ARRANGED		SLOAN FRED A JR
4	TO BE ARRANGED		BRADFIELD LUTHER E
5	TO BE ARRANGED		BEATTIE

203 Sections 1 or 2: BLOCK PROGRAM: Students should leave Monday free for participation in the school and must take E1 Ed 314, Section 2 or 3; E1 Ed 411; E1 Ed 431; Guid 305, Sect. 1, 8:00.

314 Sections 2 or 3: BLOCK PROGRAM: Students should leave Monday free for participation in the school and must take E1 Ed 203, Section 1 or 2; E1 Ed 411; E1 Ed 431; Guid 305, Section 1, 8:00.

Engineering (ENGR)

100	ORIENTATION		00.0 CR
1	03.00	T	TECH A 111
	CROSSLISTED IN SCHOOL OF TECHNOLOGY		
222	DIGITAL COMP PROG		03.0 CR
	PREREQ MATH 111B		
1	09.00	T TH	TECH A 111
	12.00	M W	WHAM 24
2	09.00	T TH	TECH A 111
	12.00	T TH	WHAM 24
3	09.00	T TH	TECH A 111
	04.00	M W	WHAM 24
4	09.00	T TH	TECH A 111
	04.00	T TH	WHAM 24
5	09.00	T TH	TECH A 111
	05.00	M W	WHAM 24
6	09.00	T TH	TECH A 111
	05.00	T TH	WHAM 24
7	09.00	T TH	TECH A 111
	12.00	M W	WHAM 24
8	09.00	T TH	TECH A 111
	12.00	T TH	WHAM 24
9	09.00	T TH	TECH A 111
	05.00	M W	WHAM 24
10	09.00	T TH	TECH A 111
	05.00	T TH	WHAM 24

260A	ANAL MECHANICS			03.0 CR
	PREREQ	CONCURRENT ENROLLMENT IN		
		MATH 150B		
1	06.00-07.25 PM	M W	TECH A	222
2	10.00	M W F	AG	150
260B	ANAL MECHANICS			03.0 CR
	PREREQ	ENGR 260A		
1	10.00	M W F	TECH A	220
2	03.00	M W F	TECH A	208
3	06.00-07.25 PM	T	TECH A	208
	06.00-07.25 PM	TH	TECH A	210
300A	THERMODYNAMICS			03.0 CR
	PREREQ	MATH 252A		
1	08.00	M W F	TECH D	131
300B	THERMODYNAMICS			03.0 CR
	PREREQ	MATH 252A		
1	11.00	M W F	TECH A	320
300C	THERMODYNAMICS			03.0 CR
	PREREQ	MATH 252A		
1	10.00	M W F	TECH A	408
302	HEAT TRANSFER			03.0 CR
	PREREQ	222, 300A + MATH 305A		
1	08.00	M W F	TECH B	42
311A	PROPERTIES OF MAT			03.0 CR
	PREREQ	260C + MATH 252B		
1	01.00	T TH	TECH D	14
	06.00-08.50 PM	T	TECH D	14
311B	PROPERTIES OF MAT			03.0 CR
	PREREQ	260C + MATH 252B		
1	02.00	T TH	TECH A	208
	06.00-08.50 PM	M	TECH D	14
2	02.00	T TH	TECH A	208
	06.00-08.50 PM	TH	TECH D	14
313A	FLUID MECHANICS			03.0 CR
	PREREQ	ENGR 260C		
1	10.00	M W F	TECH D	14A
313B	FLUID MECHANICS			03.0 CR
	PREREQ	ENGR 313A		
1	01.00	M W F	TECH D	14A
335	ELECTRICAL CIRCUITS			04.0 CR
	PREREQ	MATH 252A		
1	09.00	M W F	TECH A	221
	06.00-08.50 PM	TH	TECH D	104
336	INTRO TO ELECTRONIC			04.0 CR
	PREREQ	ENGR 335		
1	09.00	M W F	TECH A	420
	01.00-03.50	M	TECH D	104
2	09.00	M W F	TECH A	420
	06.00-08.50 PM	T	TECH D	104
413B	INTER MECH OF FLUID			03.0 CR
	PREREQ	413A		
1	01.00	M W F	TECH D	14A
415B	WATER QUALITY CONTR			03.0 CR
	PREREQ	CHEM 121B + MATH 150 JR EQUIV		
1	11.00	M W F	TECH B	42
416B	AIR POLLUT CONTROL			03.0 CR
1	02.00	M W F	TECH B	42
423	HYBRID COMPUTATION			03.0 CR
	PREREQ	ENGR 222, 432 CR EQUIV		
1	04.00	M W F	TECH D	116
430	SPECIAL PROBLEMS			02.0 TO 08.0 CR
	PREREQ	CONSENT OF INSTR		
1	TO BE ARRANGED			
439B	TRANSIENT AN+NWK TH			03.0 CR
	PREREQ	ENGR 336		
1	01.00	M W F	TECH D	108
443A	ENGINEERING DESIGN			03.0 CR
	PREREQ	SENIOR STANDING IN ENGR		
1	10.00	T TH	TECH A	420
	08.00-09.50	T	TECH A	307
2	10.00	T TH	TECH A	420
	08.00-09.50	TH	TECH A	307

443B	ENGINEERING DESIGN			03.0 CR
	PREREQ 443A			
1	11.00	T TH	TECH A	422
	03.00-04.50	T	TECH A	307
2	11.00	T TH	TECH A	422
	03.00-04.50	TH	TECH A	307
446A	ENERGY CONVERSION			03.0 CR
	PREREQ ENGR 335 + 338			
1	11.00	M W F	TECH D	108
449	INTERMED DYNAMICS			03.0 CR
	PREREQ ENGR 260C			
1	12.00	M W F	TECH D	12
462B	METHODS-STRUCT ANAL			03.0 CR
	PREREQ ENGR 462A			
1	TO BE ARRANGED			
480B	ENGR PROCESS DESIGN			03.0 CR
	PREREQ 480A			
1	03.00	M W F	TECH B	42
500	CONVECT HEAT TRANSF			03.0 CR
	PREREQ 413A OR 420A OR CONSENT OF INSTR			
1	TO BE ARRANGED			
503A	HEAT + COOL SYSTEMS			03.0 CR
	PREREQ GRAD STANDING			
1	TO BE ARRANGED			
510B	ELECTROMAG FIELDS			03.0 CR
	PREREQ CONSENT OF INSTR			
1	TO BE ARRANGED			
511B	QUANTUM ELECTRONICS			03.0 CR
	PREREQ CONSENT OF INSTR			
1	TO BE ARRANGED			
512A	CONTINUUM MECHANICS			04.0 CR
	PREREQ MATH 305			
1	TO BE ARRANGED			
514	MECH INVISCID FLUID			03.0 CR
	PREREQ ENGR 413A AND B OR CONSENT OF INSTR			
1	TO BE ARRANGED			
517B	ANAL-DES OF SYSTEMS			04.0 CR
	PREREQ ENGR 517A			
1	TO BE ARRANGED			
518	INTRO TO TURBULENCE			03.0 CR
	PREREQ ENGR 413A, B OR CONSENT OF INSTR			
1	TO BE ARRANGED			
520B	REACTION ENGR			03.0 CR
	PREREQ ENGR 520A			
1	TO BE ARRANGED			
540	ELASTIC STABILITY			03.0 CR
	PREREQ MATH 305 CR 407 OR CONSENT OF INSTRUCTOR			
1	TO BE ARRANGED			
570	SPECIAL INVESTIGAT			02.0 TO 06.0 CR
1	TO BE ARRANGED			
580	SEMINAR			01.0 TO 09.0 CR
1	04.00-05.00	TH	TECH A	122
599	THESIS			01.0 TO 09.0 CR
1	TO BE ARRANGED			

Engineering Technology (E T)

100	ORIENTATION			00.0 CR
1	03.00	T	TECH A	111
	CROSSLISTED IN SCHOOL OF TECHNOLOGY			
102A	GRAPHIC COMMUNICAT			03.0 CR
1	11.00	T	TECH A	111
	08.00-09.50	W F	TECH A	209
2	11.00	T	TECH A	111
	08.00-09.50	W F	TECH A	219
3	11.00	T	TECH A	111
	10.00-11.50	W F	TECH A	209

4	11.00	T		TECH A	111
	10.00-11.50	W	F	TECH A	219
5	11.00	T		TECH A	111
	01.00-02.50	W	F	TECH A	209
6	11.00	T		TECH A	111
	01.00-02.50	W	F	TECH A	219
7	11.00	T		TECH A	111
	03.00-04.50	W	F	TECH A	209
8	11.00	T		TECH A	111
	03.00-04.50	W	F	TECH A	219
102B	GRAPHIC COMMUNICAT			03.0	CR
	PREREQ E T 102A				
1	09.00	W		TECH A	111
	08.00-09.50	M	TH	TECH A	207
2	09.00	W		TECH A	111
	08.00-09.50	M	TH	TECH A	219
3	09.00	W		TECH A	111
	10.00-11.50	M	TH	TECH A	207
4	09.00	W		TECH A	111
	10.00-11.50	M	TH	TECH A	219
5	09.00	W		TECH A	111
	03.00-04.50	M	TH	TECH A	207
6	09.00	W		TECH A	111
	03.00-04.50	M	TH	TECH A	219
102C	GRAPHIC COMMUNICAT			03.0	CR
	PREREQ E T 102B				
1	02.00	T		TECH A	111
	01.00-02.50	W	F	TECH A	207
2	02.00	T		TECH A	111
	03.00-04.50	W	F	TECH A	207
260A	STATICS + DYNAMICS			03.0	CR
	PREREQ MATH 150B CONCURRENT				
1	01.00	M	W F	TECH D	131
2	10.00	M	W F	TECH A	410
260B	STATICS + DYNAMICS			03.0	CR
	PREREQ E T 260A				
1	10.00	M	W F	TECH A	420
2	02.00	M	W F	TECH D	131
303B	ELECTRONIC TECH			03.0	CR
	PREREQ E T 303A AND 304C				
1	11.00	M	W	TECH A	422
	01.00-03.50	W		TECH D	106
2	11.00	M	W	TECH A	422
	06.00-09.00 PM	T		TECH D	106
304A	ELECTRICAL CIRCUITS			03.0	CR
	PREREQ MATH 150B CR CONCURRENT				
	ENROLLMENT				
1	01.00	T	TH	LAWSON	131
	08.00-09.50		F	LAWSON	131
304B	ELECTRICAL CIRCUITS			03.0	CR
	PREREQ E T 304A				
1	10.00	T	TH	TECH A	111
	06.00-08.50 PM	M		TECH D	104
2	10.00	T	TH	TECH A	111
	02.00-04.50	T		TECH D	104
3	10.00	T	TH	TECH A	111
	01.00-03.50	W		TECH D	104
4	11.00	M	W	TECH A	111
	06.00-08.50 PM	W		TECH D	104
5	11.00	M	W	TECH A	111
	02.00-04.50		TH	TECH D	104
6	11.00	M	W	TECH A	111
	10.00-12.50		TH	TECH D	104
308B	MACHINE DESIGN			03.0	CR
	PREREQ E T 308A				
1	12.00	M	W F	TECH A	319
310B	CONST MECHANICS			03.0	CR
	PREREQ E T 310A				
1	10.00	M	W F	TECH A	208

311A	STRENGTH-MATERIALS			03.0 CR
	PREREQ	E T 260B		
1	09.00	T TH	TECH A	208
	02.00-04.50	T	TECH D	14
2	09.00	T TH	TECH A	208
	02.00-04.50	TH	TECH D	14
311B	STRENGTH-MATERIALS			03.0 CR
	PREREQ	E T 260B		
1	08.00	M W	TECH A	208
	09.00-11.50	S	TECH D	14
2	08.00	M W	TECH A	208
	06.00-08.50 PM	W	TECH D	14
313A	EL HEAT POWER			04.0 CR
	PREREQ	MATH 150A		
1	01.00	MT THF	TECH A	422
2	06.00-07.40 PM	M W	PHY SC	218
313B	EL HEAT POWER			04.0 CR
	PREREQ	E T 313A		
1	02.00	MT THF	TECH A	420
314B	SOIL MECHANICS			03.0 CR
	PREREQ	E T 314A		
1	09.00	M W	TECH A	221
	06.00-09.00 PM	T	TECH D	12A
318A	HYDRAULICS			03.0 CR
	PREREQ	E T 260C		
1	03.00	M W F	TECH D	14A
318B	HYDRAULICS			03.0 CR
	PREREQ	E T 318A		
1	10.00	M W	TECH A	422
	10.00-12.50	F	TECH D	14A
2	10.00	M W	TECH A	422
	06.00-09.00 PM	TH	TECH D	14A
320A	MECHANICAL LAB			03.0 CR
	PREREQ	E T 313A		
1	10.00-12.50	T TH	TECH D	122
322A	POWER PLANTS			03.0 CR
	PREREQ	ET 313A		
1	04.00	M W F	TECH A	221
332B	ELECT MACHINERY			03.0 CR
	PREREQ	E T 332A		
1	10.00	T TH	TECH A	220
	01.00-03.50	F	TECH D	122
2	10.00	T TH	TECH A	220
	02.00-04.50	F	TECH D	122
338A	ELECT INSTRUMENT			04.0 CR
	PREREQ	E T 304 AND 332A		
1	09.00	M W F	TECH A	208
	02.00-04.50	T	TECH B	139
2	09.00	M W F	TECH A	208
	06.00-03.50 PM	TH	TECH B	139
363B	SURVEYING			04.0 CR
	PREREQ	E T 363A		
1	12.00	T TH	TECH A	319
	02.00-04.50	M W	TECH A	319
364A	HIGHWAY ENGINEERING			03.0 CR
	PREREQ	ET 314A, 363A + SR STANDING		
1	01.00	M W F	TECH A	319
426B	PHOTOGRAMMETRY			03.0 CR
	PREREQ	E T 426A CR CONSENT OF INSTR		
1	11.00	M W	TECH A	319
	3 HRS OF LAB TBA			
430	SPECIAL PROBLEMS		02.0 TO 08.0 CR	
	PREREQ	CONSENT OF COORDINATOR		
1	TO BE ARRANGED			
437B	IND ELECT AND COMM			03.0 CR
	PREREQ	E T 437A		
1	11.00	T TH	ARENA	125
	01.00-03.50	M	TECH D	106
2	11.00	T TH	ARENA	125
	02.00-04.50	TH	TECH D	106

465A	INDUSTRIAL SAFETY	04.0 CR
	PREREQ JR STANDING	
1	11.00 MT THF TECH A 208	
English (ENG)		
105A	ENG COMP-FOREIGN ST	03.0 CR
	PREREQ EQUIVALENT TO GSD 101-LIMITED TO FOREIGN STUDENTS	
1	08.00 M W F H EC 122A	
	08.00 T PULL 41	
	ABOVE SECTION RESTRICTED TO GRADS	
2	01.00 M W F 0720 116	
	08.00 T PULL 41	
3	08.00 MT THF PHY SA 258	
105B	ENG COMP-FOREIGN	03.0 CR
	PREREQ EQUIVALENT TO GSD 102-LIMITED TO FOREIGN STUDENTS	
1	08.00 M W F WHAM 301A	
	10.00 T H EC 201	
2	10.00 M W F 0721 102	
	10.00 T H EC 201	
209	INTRO- THREE GENRES	04.0 CR
	PREREQ GSC 103	
1	09.00 M WHAM 203	
	09.00 T THF WHAM 307	
2	11.00 MT THF WHAM 307	
3	02.00 T THF WHAM 307	
	02.00 W 0720 102	
300A	GRAMMATICAL ANAL	03.0 CR
1	08.00 M W F 0720 105	
2	09.00 M W F 0720 117	
3	11.00 M W F 0720 109	
4	12.00 M WTH 0721 102	
300B	GRAMMATICAL ANAL	03.0 CR
	PREREQ ENG 300A	
1	09.00 M W F 0720 105	
2	11.00 M W F 0720 105	
3	01.00 M W F 0720 105	
302A	ENG LIT TO 1550	04.0 CR
	PREREQ REQUIRED OF STUDENTS WITH CONCENTRATION IN ENG	
1	10.00 MT THF 0720 114	
2	02.00 MT THF PULL 41	
3	04.00 MT THF 0720 104	
302B	ENG LIT 1550-1750	04.0 CR
	PREREQ REQUIRED OF STUDENTS WITH CONCENTRATION IN ENG	
1	09.00 MT THF 0720 116	
2	11.00 MT THF 0720 114	
3	02.00 MT THF 0861 101	
302C	ENG LIT-AFTER 1750	04.0 CR
	PREREQ REQUIRED OF STUDENTS WITH CONCENTRATION IN ENG	
1	01.00 MT PULL 39	
	01.00 W F 0862 102	
2	03.00 M THF 0720 117	
	03.00 W 0721 101	
3	02.00 MT THF 0721 102	
309A	AMER LIT-TO 1860	04.0 CR
1	09.00 MT THF 0720 118	
2	12.00 MT THF WHAM 321	
3	02.00 MT THF WHAM 312	
309B	AMER LIT-SINCE 1860	04.0 CR
1	10.00 TWTHF 0720 104	
309C	AM LIT 1914-PRESENT	04.0 CR
1	09.00 T THF WHAM 312	
	09.00 M 0861 102	
2	02.00 MT THF WHAM 329	
3	04.00 MT THF 0720 118	

390	ADVANCE COMPOSITION		03.0 CR	
	PREREQ C AVERAGE IN GSC 101, 102 AND GSC 103			
1	09.00	WTH	0720	108
	09.00	M	0720	103
2	11.00	T THF	0720	108
3	01.00	MT TH	GYM	204
4	02.00	MT TH	0720	105
5	07.35-08.50 PM	T TH	WHAM	312
6	10.00	M WTH	0720	107
402	OLD ENG LIT TRANS		04.0 CR	
1	03.00	MT THF	0720	104 GARDNER
403	HIST - ENG LANGUAGE		04.0 CR	
1	10.00	MT THF	0720	108 RAINBOW
404B	MID ENG LIT-CHAUCER		04.0 CR	
1	10.00	T THF	H EC	120 HATTON THOMAS J
	10.00	M	H EC	202 HATTON THOMAS J
410	LIT FOR ADOLESCENT		04.0 CR	
1	02.00-03.50	T TH	LAWSON	131 APPLEBY
412D	AGE OF POPE		04.0 CR	
	PREREQ MAY BE TAKEN SINGLY			
1	09.00	MT THF	H EC	122 SCHONHORN MANUEL
420B	AMER POET - MODERN		04.0 CR	
	PREREQ MAY BE TAKEN SINGLY			
1	01.00	MT THF	H EC	122 PIPER
421B	ENG POET-LATER ROM		04.0 CR	
1	02.00	M THF	H EC	122 BENZIGER JAMES G
	02.00	W	H EC	201 BENZIGER JAMES G
431B	AM WRIT 1800-1865		04.0 CR	
1	03.00	MT THF	H EC	122 MUSS
454B	ENG FICT-VICT NOVEL		04.0 CR	
1	11.00	M WTHF	0721	101 PARTLOW
458A	AMER FICT - NOVEL		04.0 CR	
1	01.00	M WTHF	0721	102 WEBB
458B	AMER FICT - CONTEMP		04.0 CR	
1	04.00	MT THF	WHAM	321 HOWELL
460D	BRIT DRAMA-MOD BRIT		04.0 CR	
1	09.00	M F	H EC	208 BOYLE
	09.00	T TH	0720	117
464	MODERN CONT DRAMA		04.0 CR	
1	01.00	MT THF	WHAM	321 RAIZIS BYRON M
471A	SHAKESPEARE		04.0 CR	
1	11.00	MT THF	0720	106 SCHULTZ HOWARD
2	04.00	MT THF	0721	101 BROWN
471B	SHAKESPEARE		04.0 CR	
1	08.00	MTWTH	H EC	122 BALDWIN T W
2	10.00	T THF	WHAM	312 DONOW
	10.00	M	0720	105
485	PROB TEACH ENG /P/		04.0 CR	
1	10.00-11.50	M F	AG	218 BOTTS RODERIC C
2	02.00-03.50	T TH	0720	109 EVANS WILLIAM H
495A	LIT CRITICISM-HIST		04.0 CR	
1	01.00	M WTHF	0720	106 BENZIGER
495B	LIT CRITICISM-MOD		04.0 CR	
1	12.00	MT THF	0721	101 PIPER
2	05.45-07.25	T TH	WHAM	312 RUDNICK HANS-H
497A	HONORS ENGLISH		04.0 CR	
	PREREQ DEPARTMENTAL APPROVAL REQUIRED			
1	12.00	MT THF	0720	104 RAIZIS
	TOPIC - PROMETHEUS MYTH + OTHERS			
497B	HONORS ENGLISH		04.0 CR	
	PREREQ DEPARTMENTAL APPROVAL REQUIRED			
1	12.00	MT THF	0720	106 RAIZIS
	TOPIC - PROMETHEUS MYTH + OTHERS			
497C	HONORS ENGLISH		04.0 CR	
1	TO BE ARRANGED			LAWSON
499	READINGS IN ENGLISH		02.0 TO 06.0 CR	
	PREREQ NO MORE THAN 4HRS MAY BE TAKEN IN ANY ONE QUARTER			
1	TO BE ARRANGED			
2	03.00	MT THF	0720	103 RUDNICK
	TOPIC - LITERATURE AND CULTURE			

502	BEOWULF			04.0	CR	
	PREREQ	ENGLISH 501				
1	06.00-09.00 PM	W	0720	114	GARDNER	
506	OLD NURSE			04.0	CR	
1	12.00	MT THF	0720	117	RAINBOW	
509	STUD MID ENG LIT		04.0	TO 12.0	CR	
	PREREQ	CONSENT OF DEPT				
1	01.00-02.50	T TH	0720	107	HATTON	
	TOPIC - ME LIT THEORY					
511	STUD IN RENAISSANCE		04.0	TO 12.0	CR	
	PREREQ	CONSENT OF DEPT				
1	08.00-09.50	T TH	WHAM	301B	SCHULTZ HOWARD	
	ENGLISH RENAISSANCE -2QTR SEM					
513	STUD 17 C ENG LIT		04.0	TO 12.0	CR	
	PREREQ	CONSENT OF DEPT				
1	10.00-11.50	T TH	0721	102	SIMECNE	
	TOPIC - MILTON					
519	STUD CONT BRIT LIT		04.0	TO 12.0	CR	
	PREREQ	CONSENT OF DEPT				
1	03.00-04.50	T TH	0721	102	EPSTEIN	
	TOPIC - FINNEGANS WAKE					
537	STUD 20TH C AM WR		04.0	TO 12.0	CR	
	PREREQ	CONSENT OF DEPT				
1	10.00-11.50	M F	0720	103	STIBITZ E EARLE	
	TOPIC - ROBERT FROST					
543	STUD VICT PROSE		04.0	TO 12.0	CR	
	PREREQ	CONSENT OF DEPT				
1	08.00-09.50	M W	WHAM	301B	PARTLOW ROBERT B JR	
	TOPIC - VICTORIAN PERIOD -2 QTR SEM					
560	STUD REN DRAMA		04.0	TO 12.0	CR	
	PREREQ	CONSENT OF DEPT				
1	01.00-02.50	M F	0720	104	BROWN	
	MARLOWE DRAMATIC WORKS					
579B	STUDIES IN MOD LIT		04.0	TO 08.0	CR	
	PREREQ	CONSENT OF DEPT				
1	03.00-04.50	M F	WHAM	301B	MOORE HARRY T	
	TOPIC - D. H. LAWRENCE					
581B	LINGUISTICS IN H S			04.0	CR	
	PREREQ	CONSENT OF DEPT				
1	06.30-10.00 PM	T	WHAM	212	APPLEBY BRUCE C	
585	TEACHING COL COMP			02.0	CR	
1	TO BE ARRANGED				HURLEY PAUL JOSEPH	
593	SP PRUB IN ENG			04.0	CR	
	PREREQ	CONSENT OF INSTR				
1	06.00-09.00 PM	T	LAWSON	201		
598A	IND REV ENG AM LIT		01.0	TO 03.0	CR	
1	TO BE ARRANGED					
598B	IND REV ENG AM LIT		01.0	TO 03.0	CR	
1	TO BE ARRANGED					
600	DISSERTATION		01.0	TO 48.0	CR	
1	TO BE ARRANGED					

Finance (FIN)

305	PERSONAL FINANCE			04.0	CR
1	12.00	MT THF	WHAM	302	
320	INTRO TO BUS FIN			04.0	CR
	PREREQ	ACCT 261, ECON 215			
1	09.00	MTWTHF	WHAM	302	
2	11.00	MTWTHF	WHAM	302	
3	01.00	MTWTHF	AG	216	
4	03.00	MTWTHF	0871	102	
5	02.00	MTWTHF	LAWSON	221	
324	SECURITY ANALYSIS			04.0	CR
	PREREQ	323			
1	11.00	TWTHF	0875	101	
2	02.00	T TH	WHAM	317	
	02.00	W F	WHAM	208	
325	FINANCIAL MARKETS			04.0	CR
	PREREQ	FIN 320 OR CONSENT OF INSTR			
1	10.00	MTWTH	WHAM	302	

371	BUSINESS LAW I		04.0 CR	
1	08.00	TWTHF	0861	102
2	10.00	TWTHF	LAWSON	201
3	09.00	TWTHF	0862	101
4	11.00	MTWTH	LAWSON	201
372	BUSINESS LAW II		04.0 CR	
	PREREQ	371		
1	12.00	TWTHF	0862	101
373	BUSINESS LAW III		04.0 CR	
	PREREQ	371		
1	02.00	MTWTH	LAWSON	201
473	BUS IN LEG ENVIRON		04.0 CR	
	PREREQ	SENIOR STANDING		
1	01.00	MTWTHF	LAWSON	201

Food & Nutrition (F & N)

106	FUNDAMENT FOODS		03.0 CR	
	PREREQ	NOT OPEN TO STUDENTS SPECIALIZING IN F&N OR FEED		
1	02.00	M F	H EC	212 HARPER
	02.00-03.50	W	H EC	212
256	SCIENCE OF FOOD		05.0 CR	
	PREREQ	F&N 100, CHEM 110 AND 240 OR EQUIVALENT		
1	11.00-12.50	T TH	H EC	212 HARPER JENNIE M
	11.00	M W F	H EC	203 HARPER JENNIE M
2	01.00-02.50	T TH	H EC	214 BECKER
	11.00	M W F	H EC	203 HARPER JENNIE M
320	NUTRITION		03.0 CR	
	PREREQ	F&N 100, CHEM 110 + 240		
1	04.00	M TH	H EC	203 PAYNE IRENE R
	03.00-04.50	T	H EC	212
360A	QUANT FOOD PROD		04.0 CR	
	PREREQ	F&N 256		
1	09.00-11.50	T TH	H EC	107 BECKER HENRIETTA E
362	INST EQUIP + LAYOUT		03.0 CR	
	PREREQ	F&N 256		
1	10.00	M W F	H EC	212 BECKER HENRIETTA E
420	RECENT DEV IN NUTRI		03.0 CR	
	PREREQ	F&N 320 OR EQUIVALENT		
1	03.00	M WTH	H EC	101 PAYNE
481	READINGS		02.0 TO 04.0 CR	
	PREREQ	F&N 320 + CONSENT OF CHAIRMAN AND INSTRUCTOR		
1	TO BE ARRANGED			PAYNE
515	SEMINAR		01.0 CR	
	PREREQ	F&N 420 OR 421		
1	02.00	T	H EC	107 HARPER
572	SPECIAL PROBLEMS		02.0 TO 05.0 CR	
1	TO BE ARRANGED			
599	THESIS		01.0 TO 09.0 CR	
	PREREQ	CONSENT OF INSTRUCTOR		
1	TO BE ARRANGED			

Foreign Languages (FL)

Portuguese (PORT)

135B	PORT CONVERSATION		01.0 CR	
	PREREQ	CONCURRENT ENROLLMENT IN GSD 135B		
1	09.00	T	H EC	201
201B	INTERMEDIATE PORT		03.0 CR	
	PREREQ	PORT 201A		
1	03.00	M W F	0720	116 HEVERLY CLEMENT F
	03.00	TH	0720	121

Chinese (CHIN)

120B	CHIN CONVERSATION		01.0 CR	
	PREREQ	CONCURRENT ENROLLMENT IN GSD 120B		
1	10.00	TH	WHLR	212 TAI

201B	INTER CHINESE	05.0 CR		
	PREREQ CHIN 201A			
1	11.00 MTWTH	0862	101	TAI
	11.00 F	WHAM	231	
French (FR)				
123A	FRENCH CONVERSATION	01.0 CR		
	PREREQ CONCURRENT ENROLLMENT IN			
	GSD 123A			
1	10.00 T	WHLR	107	
2	11.00 W	WHLR	203	
3	02.00 W	WHAM	329	
123B	FRENCH CONVERSATION	01.0 CR		
	PREREQ CONCURRENT ENROLLMENT IN			
	GSD 123B			
1	08.00 T	WHLR	107	
2	09.00 W	0720	104	
3	10.00 TH	WHLR	207	
4	11.00 T	0720	109	
5	12.00 T	WHLR	107	
6	01.00 W	AG	218	
7	02.00 F	WHLR	113	
123C	FRENCH CONVERSATION	01.0 CR		
	PREREQ CONCURRENT ENROLLMENT IN			
	GSD 123C			
1	04.00 T	WHLR	107	
161A	FR FOR GRAD STUDENT	00.0 CR		
1	01.00 MTW F	WHLR	113	
161B	FR FOR GRAD STUDENT	00.0 CR		
1	01.00 M W F	AG	188	
	01.00 T	WHLR	107	
201A	INTERMEDIATE FRENCH	03.0 CR		
	PREREQ GSD 123-9 CR GSD 123C, OR			
	2 YRS HIGH SCHOOL			
1	10.00 TW F	WHLR	207	
	10.00 M	0720	121	
2	12.00 T	H EC	202	
	12.00 M	0720	121	
	12.00 W F	H EC	118	
201B	INTERMEDIATE FRENCH	03.0 CR		
	PREREQ FR 201A CR EQUIVALENT			
1	08.00 M	H EC	203	
	08.00 T	0720	121	
	08.00 W F	PARK	301	
2	09.00 T TH	0720	109	
	09.00 M	WHLR	203	
	09.00 F	0720	121	
3	11.00 M F	WHLR	113	
	11.00 W	WHLR	214	
	11.00 T	0720	121	
4	12.00 MT F	GYM	204	
	12.00 W	0720	121	
5	01.00 TW	0720	104	
	01.00 M	0720	121	
	01.00 F	0721	101	
6	02.00 M W F	0871	102	
	02.00 TH	0720	121	
7	03.00 MT TH	WHLR	107	
	03.00 W	0720	121	
201C	INTERMEDIATE FRENCH	03.0 CR		
	PREREQ FR 201B CR EQUIVALENT			
1	01.00 MT TH	0721	101	AYDT JUDITH
	01.00 W	0720	121	
220B	INTER FR CONVERSAT	02.0 CR		
	PREREQ FR 201C CR CONCURRENT			
	REGISTRATION IN 201			
1	09.00 W F	WHLR	207	
2	10.00 T TH	WHLR	214	
3	12.00 W F	WHAM	231	
4	02.00 T TH	WHLR	113	

350A	ADVANCED COMP-CONV			04.0 CR	
	PREREQ	FR 201C			
1	11.00	TWTHF	WHAM	312	PARMENTER ANNIE M
352	FRENCH PHONETICS			03.0 CR	
	PREREQ	FR 201C			
1	10.00	M	WHLR	207	SMITH MADELEINE M
	10.00	W	H EC	120	SMITH MADELEINE M
	10.00	TH	H EC	122	SMITH MADELEINE M
354	INTRO LIT ANALYSIS			04.0 CR	
	PREREQ	FR 350			
1	11.00	TWTHF	LS II	430	OMEARA MAURICE A
397A	SURVEY FR LIT			03.0 CR	
	PREREQ	350 OR CONSENT OF INSTRUCTOR			
1	09.00	M	WHLR	113	
	09.00	T TH	PARK	111	
397B	SURVEY FR LIT			03.0 CR	
	PREREQ	FR 350 OR CONSENT OF INSTR			
1	01.00	T	WHLR	207	
	01.00	W F	WHLR	214	
403B	18TH CENT FR LIT			03.0 CR	
1	11.00	M W	H EC	202	GOBERT
	11.00	TH	0862	102	GOBERT
429A	FR NOVEL + THEATRE			03.0 CR	
	PREREQ	354 AND ONE QUARTER OF 397			
1	09.00	M W F	LS II	228	KILKER
461	FRENCH STYLISTICS			04.0 CR	
	PREREQ	350 OR CONSENT OF INSTRUCTOR			
1	02.00	M W F	WHLR	212	OMEARA
498	HONORS SEMINAR			03.0 CR	
	PREREQ	DEPARTMENTAL APPROVAL			
1	TO BE ARRANGED				
501	SEM SELC FR AUTHOR		02.0 TO 06.0 CR		
1	01.00	T TH	PHY SA	458	
543	RESEARCH PROBLEMS		02.0 TO 06.0 CR		
1	TO BE ARRANGED				OMEARA MAURICE A
599	THESIS		02.0 TO 09.0 CR		
1	TO BE ARRANGED				

Prospective teachers see FL 453 for listing of methods of teaching modern Foreign Languages.

German (GER)

126A	GERMAN CONVERSATION			01.0 CR	
	PREREQ	CONCURRENT ENRLMT IN GSD 126			
1	09.00	TH	0871	102	
2	01.00	TH	0871	102	
3	02.00	TH	WHLR	107	
126B	GERMAN CONVERSATION			01.0 CR	
	PREREQ	CONCURRENT ENRLMT IN GSD 126			
1	08.00	T	WHLR	212	
	SECT 1 MUST ENROLL IN GSD 126B SECT 1				
2	09.00	T	WHAM	303	
3	11.00	TH	WHAM	231	
4	01.00	T	H EC	104	
5	02.00	T	0862	101	
6	06.00	PM TH	WHLR	203	
126C	GERMAN CONVERSATION			01.0 CR	
	PREREQ	CONCURRENT ENRLMT IN GSD 126			
1	04.00	TH	H EC	122	
161A	GER FOR GRAD STUD			00.0 CR	
1	02.00	TWTHF	0720	117	
161B	GER FOR GRAD STUD			00.0 CR	
1	02.00	TWTHF	0720	118	
201A	INTERMEDIATE GERMAN			03.0 CR	
	PREREQ	GSD 126-9 OR GSD 126C OR EQUIVALENT			
1	09.00	W	WHAM	212	
	09.00	T F	CL	25	
	09.00	M	0720	121	
2	02.00	M W F	WHLR	207	
	02.00	T	0720	121	

201B	INTERMEDIATE GERMAN	03.0 CR		
	PREREQ GER 201A CR EQUIVALENT			
1	09.00 M THF	WHLR	212	
	09.00 W	0720	121	
2	01.00 M W F	WHLR	212	
	01.00 TH	0720	121	
3	06.00-07.25 PM T TH	WHLR	107	
	05.00 T	0720	121	
220B	INTER GER CONVERSAT	02.0 CR		
	PREREQ GER 201C CR CONCURRENT			
	REGISTRATION IN 201			
1	09.00 T TH	WHLR	203	
2	01.00 T TH	WHLR	212	
301B	SUR GER LIT TO 1800	04.0 CR		
	PREREQ GER 301A			
1	09.00 MT THF	0720	104	LIEDLOFF, HELMUT
304B	ADV COMP + CONVERS	04.0 CR		
	PREREQ GER 201C			
1	10.00 T THF	PARK	111	
	10.00 M	0720	104	
310B	INTRO TO GERMAN LIT	04.0 CR		
1	11.00 MT THF	H EC	122	ANDERSON VERNON L
401B	GOETHE'S FAJST	02.0 CR		
	PREREQ GER 401A			
1	11.00 T TH	WHAM	317	
498	READG 19TH CT LIT	01.0 TO 02.0 CR		
1	02.00 T TH	PARK	309	
507	ROMANTICISM II	02.0 CR		
1	09.00 T TH	H EC	120	
509A	OLD HIGH GERMAN	02.0 CR		
1	01.00 T TH	PHY SC	410	
543	RESEARCH PROBLEMS	02.0 TO 06.0 CR		
1	TO BE ARRANGED			
599	THESIS	02.0 TO 09.0 CR		
1	TO BE ARRANGED			

Prospective teachers see FL 453 for listing of methods of teaching modern Foreign languages.

Greek (GRK)

201B	INTERMED CLASS GRK	04.0 CR		
	PREREQ GRK 201A			
1	TO BE ARRANGED			OBRIEN JOAN V

Italian (ITAL)

144B	ITALIAN CONVERSAT	01.0 CR		
	PREREQ CONCURRENT ENROLLMENT IN			
	GSD 144B			
1	09.00 T	PULL	39	
2	01.00 W	PULL	43A	
3	06.00 PM W	WHLR	113	
201B	INTERMEDIATE ITAL	03.0 CR		
	PREREQ ITAL 201A			
1	02.00 MT F	PHY SA	258	
	02.00 W	0720	121	

Latin (LATN)

201B	INTERMEDIATE LATIN	04.0 CR		
	PREREQ LATIN 201A			
1	11.00 MT THF	WHLR	203	SPECK
313	LETTERS OF PLINY	04.0 CR		
	PREREQ LATN 201C CR EQUIVALENT			
1	09.00 M	H EC	202	SPECK
	09.00 W	H EC	122	SHELBY THOMAS M
	09.00 T TH	H EC	122A	SHELBY THOMAS M
315	READ-LATN AUTHORS	02.0 TO 08.0 CR		
	PREREQ BY SPECIAL PERMISSION ONLY			
1	02.00 T TH	WHLR	203	SPECK

Russian (RUSS)						
136A	RUSS CONVERSATION	01.0 CR				
	PREREQ CONCURRENT ENROLLMENT IN					
	GSD 136A					
1	01.00	TH	H EC	106		
136B	RUSS CONVERSATION	01.0 CR				
	PREREQ CONCURRENT ENROLLMENT IN					
	GSD 136B					
1	11.00	TH	H EC	104		
2	10.00	TH	H EC	208		
3	02.00	TH	H EC	118		
4	06.00 PM	TH	GYM	203		
201A	INTERMED RUSSIAN	03.0 CR				
1	08.00	TW F	WHLR	203		
	08.00	M	0720	121		
201B	INTERMED RUSSIAN	03.0 CR				
	PREREQ RUSS 201A					
1	09.00	M W F	WHAM	301A	MARTIN J L JR	
	09.00	T	0720	121		
2	04.00	M W F	H EC	122	SHANKOVSKY IGOR P	
	04.00	TH	0720	121		
220B	INTER RUSS CONVER	02.0 CR				
	PREREQ RUSS 201 CR CONCURRENT					
	REGISTRATION					
1	01.00	T TH	PULL	38	ORECHWA OLGA	
308B	SURV RUSS LIT	03.0 CR				
	PREREQ RUSS 308A					
1	10.00	M	WHAM	231	SHANKOVSKY	
	10.00	W F	0720	102		
330B	ADV COMP AND CONV	02.0 CR				
	PREREQ CONCURRENT ENROLLMENT IN RUSS					
	308B					
1	10.00	T TH	WHLR	203	ORECHWA	
40B	SOVIET CIVILIZATION	04.0 CR				
	PREREQ 201C					
1	02.00	M W	WHLR	107	SHANKOVSKY IGOR P	
	02.00	T	GYM	204		
	02.00	F	WHAM	212		
500	SEM CONTEM RUSS LIT	02.0 CR				
1	TO BE ARRANGED				SHANKOVSKY	
599	THESIS	02.0 TO 09.0 CR				
1	TO BE ARRANGED					

Prospective teachers see FL 453 for listing of methods of teaching modern Foreign Languages.

Spanish (SPAN)						
140A	SPAN CONVERSATION	01.0 CR				
	PREREQ CONCURRENT ENRLMT IN GSD 140					
1	09.00	TH	CL	25		
2	10.00	TH	H EC	104		
3	02.00	TH	WHLR	212		
4	06.00 PM	T	WHLR	203		
5	12.00	TH	H EC	122A		
140B	SPAN CONVERSATION	01.0 CR				
	PREREQ CONCURRENT ENRLMT IN GSD 140					
1	09.00	W	0720	116		
2	10.00	W	WHAM	212		
3	11.00	M	TECH B	20		
4	12.00	T	WHLR	113		
5	01.00	W	0871	101		
6	02.00	F	H EC	201		
7	03.00	W	WHLR	107		
8	10.00	M	WHAM	301A		
140C	SPAN CONVERSATION	01.0 CR				
	PREREQ CONCURRENT ENRLMT IN GSD 140					
1	11.00	T	H EC	118		
161A	SPAN FOR GRAD STUD	00.0 CR				
1	12.00	MTWTH	WHLR	207		
161B	SPAN FOR GRAD STUD	00.0 CR				
1	12.00	MTWTH	PARK	111		

201A	INTERMED SPANISH		03.0 CR	
	PREREQ	3SD 140 CR 2 YRS H.S. SPAN OR EQUIV		
1	11.00	T	WHAM	328
	11.00	THF	WHAM	212
	11.00	M	0720	121
2	02.00	T F	GYM	203
	02.00	TH	GYM	204
	02.00	W	0720	121
201B	INTERMED SPANISH		03.0 CR	
	PREREQ	SPAN 201A		
1	09.00	M W F	PIERCE	130
	09.00	TH	PIERCE	121
2	10.00	M W F	H EC	104
	10.00	TH	0720	121
3	11.00	M W F	AG	220
	11.00	TH	0720	121
4	12.00	M W F	PULL	41
	12.00	TH	0720	121
5	01.00	M W F	WHAM	312
	01.00	T	0720	121
6	02.00	T F	TECH A	122
	02.00	M	0720	121
	02.00	W	TECH A	120
220B	INTER SPAN CONVER		02.0 CR	
	PREREQ	SPAN 220A		
1	09.00	W F	H EC	104
2	12.00	T TH	AG	144
3	02.00	M	WHAM	208
	02.00	W	WHAM	228
4	01.00	T TH	WHLR	203
310B	SURVEY SPANISH LIT		03.0 CR	
1	09.00	M W F	PARK	301
2	11.00	M	WHLR	214
	11.00	T TH	WHLR	212
3	02.00	TW F	PULL	43
320A	ADV COMP AND CONV		02.0 CR	
1	02.00	T TH	H EC	106
320B	ADV COMP AND CONV		02.0 CR	
1	09.00	T TH	WHAM	137
2	10.00	M W	H EC	102
3	01.00	T TH	TECH A	120
4	02.00	T TH	H EC	104
320C	ADV COMP AND CONV		02.0 CR	
1	03.00	T TH	WHLR	203
333B	SURV SPAN AMER LIT		03.0 CR	
1	10.00	M W	LS II	250
	10.00	F	LS II	228
2	01.00	M W F	WHLR	203
402	SP DRAMA 18-19 CENT		03.0 CR	
1	02.00	M W F	PULL	43A
415	SPANISH PHONETICS		03.0 CR	
1	11.00	M W F	H EC	104
423	MEX NOV 20TH CENT		04.0 CR	
1	12.00	MTW F	WHLR	203
440B	GOLDEN AGE--DRAMA		03.0 CR	
1	10.00	M W F	WHLR	203
500	SEMINAR LAT AM FICT		02.0 CR	
1	06.00-07.50 PM	T	H EC	104
501	SEMINAR SP AUTHOR		02.0 CR	
1	03.00	M W	WHLR	203
506	RENAISSANCE		03.0 CR	
1	09.00	MT TH	H EC	104
515A	OLD SPANISH		03.0 CR	
1	01.00	M W F	WHLR	207
543	RESEARCH PROBLEMS		02.0 TO 06.0 CR	
1	TO BE ARRANGED			
575	ADV TOPICS IN SPAN		03.0 CR	
1	10.00	M W F	GYM	203
599	THESIS		02.0 TO 09.0 CR	
1	TO BE ARRANGED			

Prospective teachers see FL 453 for listing of methods of teaching modern Foreign Languages.

Family Economics and Management (FE & M)

300	HOME EC FOR MEN			03.0 CR	
1	01.00	M W	H EC	140B	HEISLER
	01.00		F	5	
2	01.00	M W	H EC	140B	HEISLER
	01.00		TH	5	
3	01.00	M W	H EC	140B	HEISLER
	01.00		T	5	
4	01.00	M W	H EC	140B	HEISLER
	12.00		T	5	
5	01.00	M W	H EC	140B	HEISLER
	12.00		TH	5	
6	09.00	M W F	H EC	401	MALONE
7	06.00-07.25 PM	T TH	H EC	401	MALONE
301	H ARTS + SJC USAGE			03.0 CR	
1	10.00	M W F	H EC	5	HEISLER
2	03.00	MT TH	H EC	401	HEISLER
324	EQUIPMENT			03.0 CR	
1	02.00	T TH	H EC	5	MALONE
	11.00-12.50		F	5	
2	02.00	T TH	H EC	5	MALONE
	08.00-09.50		TH	5	
3	02.00	M W	H EC	5	
	03.00-04.50		TH	5	
4	02.00	M W	H EC	5	
	08.00-09.50		T	5	
332	HOME MGT PRACTICUM			04.0 CR	
	PREREQ 227, 331				
1	11.00-12.50	M W	H EC	401	MALONE
2	10.00-11.50	T TH	H EC	401	HEISLER
341	CONSUMER PROBLEMS			04.0 CR	
1	08.00	MTW	H EC	140B	CRAIG
	08.00		TH	140B	
2	08.00	MTW	H EC	140B	CRAIG
	08.00		F	140B	
3	08.00	MTW	H EC	140B	CRAIG
	03.00		W	401	
4	08.00	MTW	H EC	140B	CRAIG
	09.00		TH	208	
471	FIELD EXPERIENCE			02.0 TO 06.0 CR	
	PREREQ CONSENT OF CHAIRMAN				
1	TO BE ARRANGED				JOHNSTON
481	READINGS			02.0 TO 04.0 CR	
	PREREQ CONSENT OF INSTR + CHAIRMAN				
1	TO BE ARRANGED				CRAIG + JOHNSTON
500	RESEARCH METHODS			04.0 CR	
	PREREQ GUID 505				
1	06.30-09.00 PM	M	H EC	5	JOHNSTON BETTY JANE
550	ADV HOME MANAGEMENT			04.0 CR	
1	06.30-09.00 PM	W	H EC	5	
572	SPECIAL PROBLEMS			02.0 TO 08.0 CR	
1	TO BE ARRANGED				ZUNICH MICHAEL
599	THESIS			02.0 TO 09.0 CR	
1	TO BE ARRANGED				

Forestry (FOR)

301	SOIL SCI FORESTERS			05.0 CR	
	PREREQ GSA 101B				
1	12.00	M WTHF	AG	166	CASTER ALFRED B
	08.00-09.50		T	167	CASTER ALFRED B
2	12.00	M WTHF	AG	166	CASTER ALFRED B
	12.00-01.50		T	167	CASTER ALFRED B
350A	FOR + OUTDOOR REC			03.0 CR	
1	11.00	M W F	AG	214	MISCHON RAYMOND M

360	FARM FORESTRY			04.0 CR	
1	08.00	T TH	AG	218	ROTH PAUL L
	08.00	F	AG	186B	
363A	FOREST MENSURATION			04.0 CR	
	PREREQ	GSD 110			
1	02.00	MTWTH	AG	166	KUNG
	08.00-10.50	F	AG	195	KUNG
2	02.00	MTWTH	AG	166	KUNG
	02.00-04.50	F	AG	187	KUNG
365A	SILVICULTURE			04.0 CR	
1	10.00	MTW F	AG	166	BUDELSKY CARL A
	FRI MEETING TBA				
2	10.00	MTW	AG	166	
	01.00	W	AG	195	
3	10.00	MTW	AG	166	
	01.00	F	AG	195	
365C	SILVICULTURE-REG			03.0 CR	
	PREREQ	FOR 365B			
1	02.00	MTW	AG	224	BUDELSKY CARL A
	TO BE ARRANGED				BUDELSKY CARL A
381	AGRI SEMINAR			01.0 TO 02.0 CR	
	PREREQ	LIMITED TO SENIOR STANDING			
1	04.00	T	AG	214	
390	SPEC PROB IN FOREST			01.0 TO 06.0 CR	
	PREREQ	CONSENT OF DEPT			
1	TO BE ARRANGED				
391	HONORS IN FORESTRY			01.0 TO 06.0 CR	
	PREREQ	JR STAND, 4.0 GPA(4.25 IN MAJ)			
		+ CONSENT OF DEPT CHM			
1	TO BE ARRANGED				
401	ADV FOR MENSURATION			03.0 CR	
	PREREQ	FOR 363-9 CR EQUIVALENT			
1	TO BE ARRANGED				KUNG
410	FOR MGT WILDLIFE			03.0 CR	
	PREREQ	ZOO 320 + CONCENTRATION IN FOR			
		OR CONSENT			
1	09.00	M W F	AG	214	FRALISH JAMES S
451A	FOR PARK PLAN DEVEL			03.0 CR	
	PREREQ	FOR 350-6 CR CONSENT OF INSTR			
1	03.00-04.50	M W F	AG	195	MISCHON RAYMOND M
470B	ECON OF FORESTRY			04.0 CR	
	PREREQ	FOR 470A			
1	08.00	MTWTH	AG	214	FERELL RAYMOND S
475	FOREST MANAGEMENT			04.0 CR	
	PREREQ	FOR 363A, B 365A, B			
1	01.00	T THF	AG	168	ROTH PAUL L
	09.00-11.50	T	AG	187	ROTH PAUL L
2	01.00	T THF	AG	168	ROTH PAUL L
	09.00-11.50	TH	AG	187	ROTH PAUL L
520A	READ FOR + FOR REC			01.0 TO 06.0 CR	
	PREREQ	CONSENT OF INSTRUCTOR			
1	TO BE ARRANGED				
520B	READINGS RES ECON			01.0 TO 06.0 CR	
	PREREQ	CONSENT OF INSTR PLUS FOR 475			
		OR EQUIV			
1	TO BE ARRANGED				
520C	READ FOR PRO WD SCI			01.0 TO 06.0 CR	
	PREREQ	CONSENT OF INSTRUCTOR			
1	TO BE ARRANGED				
575	RESEARCH			01.0 TO 06.0 CR	
1	TO BE ARRANGED				
581	ADVANCED FOR SEMIN			01.0 TO 06.0 CR	
	PREREQ	CONSENT OF INSTRUCTOR			
1	TO BE ARRANGED				
599	THESIS			01.0 TO 09.0 CR	
1	TO BE ARRANGED				

Geography (GEOG)

300	INTRO TO GEOG			04.0 CR	
1	09.00	MTWTH	LAWSON	221	SCHMUDE THEODORE H

302	PHYSICAL GEOGRAPHY		04.0	CR		
	PREREQ	GEOG 300				
1	10.00	MTWTH	0483	101	JONES	
304	ECONOMIC GEOGRAPHY		04.0	CR		
	PREREQ	GEOG 300				
1	11.00	MTWTH	AG	152	BAUMANN	
2	12.00	MTWTH	AG	152	MC CAULEY	
306	CULTURAL GEOGRAPHY		04.0	CR		
	PREREQ	GEOG 300				
1	01.00	MTWTH	AG	152	PENNINGTON	
310A	CARTOGRAPH METHODS		04.0	CR		
	PREREQ	GEOG 300				
1	02.00-03.50	T TH	0431	101	IRWIN DANIEL RICHARD	
402B	ADV PHYSICAL GEOG I		03.0	CR		
	PREREQ	GEOG 302	CR	CONSENT OF DEPT		
1	12.00	TWTH	0483	101	SHARPE DAVID M	
403A	ADV PHYS GEOG II		04.0	CR		
	PREREQ	GEOG 302	CR	CONSENT OF DEPT		
1	11.00	MTWTH	0483	101	SCHMUDDE	
406A	ADV CULT GEOG I		04.0	CR		
	PREREQ	GEOG 306	CR	CONSENT OF DEPT		
1	08.00	MTWTH	AG	152	PENNINGTON	
410A	ADV GEOG TECHNIQUES		04.0	CR		
	PREREQ	GEOG 310	CR	CONSENT OF DEPT		
1	03.00-04.50	M W	0483	101	BEAZLEY	
416A	ADV CARTOGRAPHY		04.0	CR		
	PREREQ	GEOG 310				
1	01.00-02.50	M W	0431	101		
424	REG PROB IN RES MGT		04.0	CR		
1	10.00	MTWTH	AG	152	BAUMAN	
440	READINGS-MAJORS		02.0	TO 06.0	CR	
	PREREQ	MAJORS ONLY				
1	TO BE ARRANGED				THOMAS FRANK HENRY	
443	TEACHING OF GEOG		04.0	CR		
	PREREQ	GEOG 300				
1	09.00	MTWTH	0483	101	HORSLEY A DOYNE	
471A	REGIONAL PLANNING		04.0	CR		
	PREREQ	GEOG MAJORS ONLY				
1	08.00	MTWTH	0483	101		
490A	TUTORIAL IN GEOG		01.0	TO 04.0	CR	
	PREREQ	GEOG MAJOR AND SENIOR STANDING				
1	01.00-02.50	T	0483	101		
490B	TUTORIAL IN GEOG		01.0	TO 04.0	CR	
	PREREQ	GEOG MAJOR AND SENIOR STANDING				
1	01.00-02.50	T	0483	101		
490C	TUTORIAL IN GEOG		01.0	TO 04.0	CR	
	PREREQ	GEOG MAJOR AND SENIOR STANDING				
1	01.00-02.50	T	0483	101		
500	GEOG TECHNIQUES I		04.0	CR		
1	03.00-04.50	T TH	0483	101	BEAZLEY RONALD I	
505A	PRO-SEMINAR IN GEOG		02.0	CR		
	PREREQ	GRAD STANDING				
1	05.00-07.50 PM	M	0483	101	SHARPE	
514	TEACH COLL GEOG		02.0	CR		
	PREREQ	GRAD STANDING				
1	TO BE ARRANGED				CHRISTENSEN DAVID E	
521	SEM-ECON GEOG		04.0	CR		
1	06.00-08.50 PM	T	0483	101	BAUMANN	
522	SEM-REGIONAL GEOG		02.0	TO 12.0	CR	
1	06.00-08.50 PM	TH	0483	101	PENNINGTON	
530	INDEP STUDY GEOG		02.0	TO 10.0	CR	
1	TO BE ARRANGED				THOMAS FRANK HENRY	
540A	RESEARCH PHYS GEOG		02.0	TO 36.0	CR	
	PREREQ	GEOG 520				
1	TO BE ARRANGED				SHARPE	
540B	RESEARCH-ECON GEOG		02.0	TO 36.0	CR	
	PREREQ	GEOG 521				
1	TO BE ARRANGED				BAUMANN	
540C	RESEARCH REG GEOG		02.0	TO 36.0	CR	
	PREREQ	GEOG 522				
1	TO BE ARRANGED				HILLIARD SAM B	

540D	RESEARCH CJLT GEOG	02.0 TO 36.0 CR	
	PREREQ GEOG 524		
1	TO BE ARRANGED		FILLIARD SAM B
599	THESIS	03.0 TO 09.0 CR	
	PREREQ CONSENT OF DEPT		
1	TO BE ARRANGED		THOMAS FRANK HENRY
600	DISSERTATION	01.0 TO 48.0 CR	
	PREREQ CONSENT OF DEPT		
1	TO BE ARRANGED		THOMAS FRANK HENRY

Geology (GEOL)

221	HISTORICAL GEOLOGY	03.0 CR	
	PREREQ GEOL 220 CR CONSENT OF INSTR,		
	ELEM BOT CR ZCCL		
1	11.00 W F	PARK 111	
	01.00-03.50 W	PARK 205	
2	11.00 W F	PARK 111	
	06.00-08.50 PM W	PARK 205	
302	STRUCTURAL GEOL	04.0 CR	
	PREREQ 220,221, MATH 111A+B + PHYS		
	111A OR 211A		
1	01.00-03.50 M	PARK 205	SAWATZKY DON L
	11.00 MT TH	PARK 205	SAWATZKY DON L
310B	MINERALOGY II	04.0 CR	
	PREREQ GEOL 310A		
1	08.00 M W F	PARK 205	HOOD WILLIAM C
	02.00-04.50 T	PARK 103	HOOD WILLIAM C
420B	GEOL OF PETROLEUM	04.0 CR	
	PREREQ GEOL 420A		
1	01.00 T TH F	PARK 205	BELL FRANK J
	02.00-04.50 F	PARK 205	BELL FRANK J
425B	INVERT-PALEONTOLOGY	04.0 CR	
	PREREQ GEOL 425A		
1	09.00 TW F	PARK 205	UTGAARD JOHN EDWARD
	01.00-03.50 TH	PARK 107	UTGAARD JOHN EDWARD
436B	ELEM EXPLOR GEOPHYS	04.0 CR	
	PREREQ GEOL 220, PHYS 211 OR		
	CONCURRENT ENROLLMENT		
1	10.00 M W F	PARK 205	DAVIS
	01.00-03.50 M	PARK 115	DAVIS
440	INDEPENDENT STUDY	01.0 TO 04.0 CR	
	PREREQ GEOL 220,221, ADVANCED STANDING		
1	TO BE ARRANGED		
460	GEOL DATA PROCESS	04.0 CR	
	PREREQ MATH 225 CR ENGR 222		
1	TO BE ARRANGED		FANG AND ROBINSON
510B	STRATIGRAPHY	04.0 CR	
1	TO BE ARRANGED		
520A	ADV PETROL-IGNEOUS	04.0 CR	
1	TO BE ARRANGED		
540	ADVANCED STUDIES	03.0 CR	
	PREREQ CONSENT		
1	TO BE ARRANGED		SAWATZKY
541	RESEARCH	01.0 TO 09.0 CR	
	PREREQ CONSENT		
1	TO BE ARRANGED		
599	THESIS	02.0 TO 09.0 CR	
1	TO BE ARRANGED		

Government (GOVT)

200	INTR TO POL SCIENCE	04.0 CR	
1	11.00 T TH	AG 220	PAINE JOANN
	11.00 M	LS I 323	
	11.00 F	LS I 16	
231	AMERICAN NATL GOVT	04.0 CR	
1	08.00 MT TH F	0875 102	
2	12.00 MT TH F	PULL 38	
3	04.00 TW TH	WHAM 201	JUNZ
	04.00 M	WHAM 206	
232	STATE LOCAL GOVT	04.0 CR	
	PREREQ 231 OR GSE 211B		

1	08.00	MTW F	LAWSON	231	RIDGEWAY
2	10.00	TWTHF	LAWSON	231	KENNEY
3	12.00	MT THF	WHAM	202	BAKER JOHN H
4	03.00	MTWTH	PHY SB	440	LONG
305	DEV AM CONSTITUTION 04.0 CR				
	PREREQ GSB 211B CR GOVT 231				
1	09.00	MTWTHF	WHAM	202	TURNER MAX WESLEY
321	READINGS 01.0 TO 06.0 CR				
	PREREQ APPROVAL OF GOVT DEPT UNDER-GRAD ADVISOR				
1	TO BE ARRANGED				SAPPENFIELD
2	TO BE ARRANGED				SAPPENFIELD
330	ILL GOVERNMENT 02.0 CR				
	PREREQ 231 CR GSB 211B OR JR STANDING				
1	11.00	M W	LAWSON	231	BIANCHI RINO
2	08.00	W F	LAWSON	221	KENNEY
350	MASTERPIECES-POL SC 04.0 CR				
	PREREQ 4.0 GPA OR CONSENT OF INSTR OR ANY JR WFC IS PR S				
1	01.00	M TH	PHY SA	278	PAINE
	01.00	T	TECH A	220	
	01.00	F	TECH A	320	
360	PUBLIC ADMIN 04.0 CR				
	PREREQ GSB 211B CR GOVT 231				
1	08.00	MTWTHF	WHAM	228	GOODSELL
371	PRBLMS IN AM FGN PL 03.0 CR				
	PREREQ GSB 345				
1	03.00	W F	COMM	1018	LANDECKER MANFRED
	03.00	M	COMM	1021	LANDECKER MANFRED
380	POLITICAL PARTIES 04.0 CR				
	PREREQ 231 CR GSB 211B				
1	11.00	MT TH	PARK	111	JACKSON JOHN S III
	11.00	F	LAWSON	131	
2	01.00	MT THF	0861	101	LONG
398	GOVERNMENT AND LAW 04.0 CR				
	PREREQ 231 OR GSB 211B				
1	11.00	TWTH	WHAM	308	DREHER
	11.00	M	0875	101	
425	BLKS+WHTS-AMER PCL 04.0 CR				
	PREREQ GSB 211B CR GOVT 231				
1	02.00	T THF	0720	102	MORRIS
	02.00	M	H EC	206	
430	GOVT NATL SEC 03.0 CR				
	PREREQ #				
1	10.00	M	COMM	1021	HANSON
	10.00	T TH	LS I	205	
436	GOVT AND LABOR 03.0 CR				
	PREREQ ECON 215, CR CONSENT OF INSTR				
1	03.00	MT	AG	154	EDELMAN MILTON T
	03.00	TH	AG	144	
	CROSS-LISTED WITH ECCN 436				
438	SOC WELFARE LEGIS 04.0 CR				
	PREREQ #				
1	02.00	MTW F	LS II	250	ALEXANDER
440	PUBLIC PERS ADMIN 04.0 CR				
	PREREQ GOVT 360				
1	03.00	MTWTH	H EC	102	SAPPENFIELD M M
450B	LATIN-AMERICAN GOVT 04.0 CR				
	PREREQ GSB 392 RECOMMENDED				
1	11.00	M F	LS II	146	GARNER WILLIAM R
	11.00	T TH	H EC	208	
452	GOVT AND PPL AFRICA 04.0 CR				
	PREREQ GSB 390 CR 391 CR CONSENT OF INSTR				
1	10.00	MT THF	H EC	122A	DALE RICHARD
453B	GOVT POL-SJV UNION 04.0 CR				
1	03.00-04.50	M W	LS II	146	CHOU IKUA
457B	GOVT NEAR MID EAST 04.0 CR				
1	01.00	M F	PULL	43A	ABBASS
	01.00	T TH	WHAM	328	

458A	GOVT + POL OF ASIA			04.0 CR	
1	09.00	M	F	AG	216 SACKS
	09.00		T TH	LS II	450
458C	GOVT + POL OF ASIA			04.0 CR	
1	01.00		MT THF	WHAM	201 HARDENBERGH WILLIAM
459	POL-DEVELOPING AREA			04.0 CR	
	PREREQ	GSB 390 CR	CONSENT OF INSTR		
1	02.00		MTW	H EC	102 BHATTACHARVVA
	02.00			F H EC	118
461	ORG THEO-PUBLIC ADM			04.0 CR	
	PREREQ	GOVT 360 CR	CONSENT OF INSTR		
1	10.00		MT THF	LS II	430 GOODSSELL CHARLES T
466	STATE GOV ADM			03.0 CR	
	PREREQ	GOVT 232			
1	10.00		M W F	LS II	146 ALEXANDER
471	AM FOREIGN POLICY			04.0 CR	
	PREREQ	GOVT 345			
1	11.00		MT THF	WHAM	208 KLINGBERG FRANK L
474	LAW ENFORCEMENT AD			03.0 CR	
	PREREQ	360, 467 CR	CONSENT OF INSTR		
1	02.00		MTW	H EC	206 DREHER
475B	INTERNATIONAL LAW			04.0 CR	
	PREREQ	GOVT 475A CR	CONSENT OF INSTR		
1	08.00		MTWTH	CL	326 JACOBINI H B
478	INTERNATL POLITICS			04.0 CR	
	PREREQ	+			
1	03.00		MT THF	WHAM	328 LEVINE MARK STEWART
484A	HIST POL THEORY-ANC			04.0 CR	
1	02.00-03.50		T TH	CL	326 MORTON WARD M
487A	AMERICAN POL IDEAS			03.0 CR	
1	10.00		M W F	CL	326 RIDGEWAY MARIAN E
488B	REC POLIT THEORY			03.0 CR	
1	09.00-11.30			S WHAM	228 MORTON WARD M
490	HONORS RESEARCH			02.0 TO 06.0 CR	
	PREREQ	CONSENT OF INSTR + CHAIRMAN			
1	TO BE ARRANGED				SAPPENFIELD
495B	CONSTITUTIONAL LAW			04.0 CR	
	PREREQ	231 CR GSB 211B			
1	11.00		M	WHAM	228 NELSON RANDALL H
	11.00		T TH	0720	116
	11.00		F	COMM	1021
500B	METH EMPIRICAL RES			03.0 CR	
	PREREQ	GOVT 500A			
1	07.00-09.30 PM		W	WHAM	212 MILLER
502	SEMINAR GOVT PROB			04.0 CR	
	PREREQ	+			
1	07.00-10.00 PM		M	H EC	120 PAINE
504	JUDICIAL PROCESS			04.0 CR	
	PREREQ	495 CR	EQUIVALENT OR CONSENT OF INSTRUCTOR		
1	03.00-04.50		T TH	WHAM	301B WASBY
506	POLITICAL BEHAVIOR			02.0 TO 09.0 CR	
	PREREQ	GOVT 415 CR	CONSENT OF INSTR		
1	01.00-02.50		T TH	PULL	43A VAN DER SLICK
508	SEM-INTERNAL REL			02.0 TO 09.0 CR	
	PREREQ	CONSENT OF INSTR			
1	10.00-11.50		T TH	WHAM	301B KATZ-SUCHY
511	SEMINAR-LOCAL GOVT			02.0 TO 09.0 CR	
	PREREQ	GOVT 467 CR	CONSENT OF INSTR		
1	09.00-10.50		T TH	LS II	130 BAKER
512	SEMINAR PUB ADMIN			02.0 TO 09.0 CR	
	PREREQ	461 CR	CONSENT OF INSTR		
1	02.00-03.50		M W	PHY SA	278 TURNER MAX WESLEY
515	SEM-COMPARATIVE GOV			02.0 TO 09.0 CR	
1	03.00-04.50		M W	CL	326 SACKS
2	02.00-03.50		T TH	LS II	130 GARNER
517	SEM PROB POL THEORY			02.0 TO 09.0 CR	
	PREREQ	484 CR 488 CR	CONSENT OF INSTR		
1	10.00-11.50		T TH	CL	326 STAUBER LELAND

520	SEM AMER FOR POLICY	02.0 TO 09.0 CR			
	PREREQ	GOVT 371 CR	CONSENT OF INSTR		
1	09.00-10.50	M W	LS II	130	TRIVERS HOWARD
521	READINGS	01.0 TO 12.0 CR			
	PREREQ	CONSENT OF INSTRUCTOR			
1	TO BE ARRANGED				HANSON
2	TO BE ARRANGED				HANSON
530	INTERNSP PJB AFF	04.0 TO 12.0 CR			
	PREREQ	CONSENT OF DEPARTMENT			
1	TO BE ARRANGED				SAPPENFIELD M M
595	INDIVIDUAL RESEARCH	02.0 TO 12.0 CR			
	PREREQ	CONSENT OF INSTR			
1	TO BE ARRANGED				HANSON
599	THESIS	01.0 TO 09.0 CR			
	PREREQ	CONSENT OF INSTR			
1	TO BE ARRANGED				HANSON
600	DISSEKTATION	01.0 TO 48.0 CR			
	PREREQ	MIN OF 36 HRS TO BE EARNED FOR			
		DOC OF PHIL DEGREE			
1	TO BE ARRANGED				HANSON

Guidance and Educational Psychology

(GUID)

305	EDUC PSYCHOLOGY	04.0 CR			
	PREREQ	GSB 201C			
1	08.00	M W	WHAM	105	BLUMENFELD GERALD J
	08.00	T TH	LAWSON	171	
2	12.00	M W	LAWSON	151	BLUMENFELD GERALD J
	12.00	T TH	LAWSON	141	
3	04.00	TW	LAWSON	151	BLUMENFELD GERALD J
	04.00	M TH	LAWSON	161	
412	MENTAL HYGIENE	04.0 CR			
	PREREQ	GUID 305			
1	02.00-03.50	T TH	WHAM	308	
2	10.00-11.50	T TH	AG	144	
422A	CONST-USE EVAL INST	04.0 CR			
	PREREQ	GUID 305			
1	01.00-02.50	T TH	LAWSON	231	MCMILLAN WILLIAM B
2	06.00-09.00 PM	TH	LAWSON	121	RECTOR ALICE P
3	07.00-10.00 PM	M	LAWSON	121	LANGE ALLAN L
4	09.00-10.50	M W	PULL	39	WILLIAMS REED G
442	BASIC PRIN OF GUID	04.0 CR			
	PREREQ	GUID 305			
1	10.00-11.50	T TH	WHAM	112	CODY
481	SEMINAR	02.0 TO 12.0 CR			
	PREREQ	GUID 305 AND CONSENT OF			
		INSTRUCTOR + DEPT			
1	09.00-12.00	S	WHAM	303	
501	SPEC RESEARCH PRCB	02.0 TO 12.0 CR			
	PREREQ	ADVANCED STANDING + CONSENT OF			
		DEPARTMENT			
1	TO BE ARRANGED				
505	INTR TO STAT METH	04.0 CR			
1	09.00-10.50	M W	WHAM	312	MOUW
506	ADV STATISTICAL MET	04.0 CR			
	PREREQ	GUID 505			
1	08.00-09.50	M W	WHAM	321	MCNEIL
2	08.00-09.50	M W	WHAM	307	BRACHT
3	09.00-10.50	T	WHAM	319	MOUW
	09.00-10.50	TH	WHAM	321	
4	01.00-02.50	M W	WHAM	307	BEGGS
5	06.00-09.00 PM	T	WHAM	305	LINDSEY
507	DES + ANAL OF EXPER	04.0 CR			
	PREREQ	GUID 506			
1	08.00-09.50	M W	WHAM	317	BEGGS DONALD LEE
2	01.00-02.50	M	WHAM	328	MCNEIL KEITH
	01.00-02.50	W	PULL	41	
515	PSY ASPECTS OF ED	04.0 CR			
	PREREQ	ADVANCED STANDING			
1	04.00-05.50	M W	WHAM	329	WILLIAMS REED G
521B	ANAL-CLASSRM LEARNG	04.0 CR			
	PREREQ	GUID 521A			
1	04.00-05.50	M W	WHAM	205	SULZER BETH W

530	STANDARDIZED TEST	04.0 CR	
	PREREQ GUID 505		
1	02.00-03.50 M F WHAM 228	BRADLEY RICHARD W	
537A	COUNSEL THEOR--PRAC	04.0 CR	
	PREREQ CONSENT OF DEPARTMENT		
1	06.00-09.00 PM T WHAM 201	MEEK	
541	OCCUP INF + GUID	04.0 CR	
	PREREQ GUID 442		
1	06.00-09.00 PM TH WHAM 201	RAMP WAYNE S	
2	01.00-02.50 M W WHAM 319	GRAFF	
543	GUID THROUGH GROUPS	04.0 CR	
	PREREQ GUID 442		
1	09.00-10.50 M W WHAM 322	ALTEKRUSE	
545M	SEM-PSYC FOUND - ED	04.0 CR	
1	10.00-11.50 M W WHAM 303	STAFF	
546A	PERSONALITY ASSESS	04.0 CR	
	PREREQ GUID 532A AND CONSENT OF INSTR		
1	06.00-09.00 PM TH WHAM 319	DALY WILLIAM C	
548A	PRACT IN SEC GUID	02.0 CR	
	PREREQ GUID 537 AND CONSENT OF INSTR		
1	09.00-10.50 F WHAM 231		
	RESTRICTED TO FULL TIME STUDENTS		
2	06.00-09.00 PM M WHAM 231	CODY	
	PART TIME STUDENT ONLY 4 CREDITS		
548B	PRACT IN ELEM GUID	02.0 TO 04.0 CR	
	PREREQ GUID 537 AND CONSENT OF INSTR		
1	01.00-03.00 T WHAM 326	ALTEKRUSE MICHAEL K	
548D	PRACT IN SCHOOL PSYC	02.0 TO 08.0 CR	
	PREREQ CONSENT OF INSTRUCTOR		
1	TO BE ARRANGED	SULZER BETH W	
562B	HUM DEV IN ED-CHILD	04.0 CR	
	PREREQ ADVANCED STANDING		
1	06.00-09.00 PM M WHAM 321	DEICHMANN JOHN W	
567	TOP SEM-EDJC PSYC	02.0 TO 12.0 CR	
	PREREQ CONSENT OF INSTRUCTOR		
1	TO BE ARRANGED	DEICHMANN JOHN W	
568	TOP SEM-COJN + GUID	02.0 TO 12.0 CR	
	PREREQ CONSENT OF INSTRUCTOR		
1	01.00-02.50 M W WHAM 231	MEEK	
2	09.00-10.50 M W WHAM 212	ALTEKRUSE	
	ABOVE SECT FOR 02 CR HR ONLY		
580	TOP SEM-STAT + MEAS	02.0 TO 12.0 CR	
	PREREQ INSTRUCTORS PERMISSION		
1	01.00-02.50 M WHAM 212	BRACHT GLENN H	
581	INTERN-COUNS + GUID	02.0 CR	
	PREREQ GUID 548C		
1	TO BE ARRANGED	GRAFF	
590	SEM - BEHAV FOUNDAT	02.0 CR	
	PREREQ FORMAL ADMISSION TO DOCTOR OF PHIL STUDIES		
1	10.00-11.50 M WHAM 301B	MCKENZIE WILLIAM R	
596	INDEP INVESTIGATION	02.0 TO 12.0 CR	
	PREREQ INSTRUCTORS PERMISSION		
1	TO BE ARRANGED	WILLIAMS	
597	INDEPENDENT STUDY	01.0 TO 12.0 CR	
	PREREQ CONSENT OF DEPARTMENT		
1	TO BE ARRANGED	CODY JOHN J	
599	THESIS	03.0 TO 09.0 CR	
1	TO BE ARRANGED	CODY JOHN J	
600	DISSERTATION	01.0 TO 48.0 CR	
1	TO BE ARRANGED	CODY JOHN J	

Health Education (H ED)

302S	DRIVER-TRAFF SAFETY	04.0 CR	
	PREREQ A VALID DRIVERS LICENSE		
1	08.00 MT TH L-APS 136	DOOLEY AUBREY C	
305	PRIN-FOUND H ED	04.0 CR	
1	10.00 MTWTH ARENA 123	RUSSELL ROBERT D	
313S	INTRO SAFETY EDUC	04.0 CR	
	PREREQ		

1	09.00	MTWTH	L-APS	136	COOLEY AUBREY C
334S	FIRST AID		04.0 CR		
	PREREQ				
1	10.00	M W F	ARENA	119	LINDAUER LARRY
	10.00	TH	TECH A	122	
2	12.00	M WTHF	ARENA	119	HARRIS EILEEN M
3	01.00	MTWTH	ARENA	121	BRIDGES A FRANK
4	05.45-07.25	T TH	ARENA	123	HARRIS EILEEN M
350	METH MAT SCH HEALT		04.0 CR		
	PREREQ				
1	02.00	TWTHF	ARENA	119	PHILLIPS FRANCES K
355	INTRO TO PJB HEALTH		04.0 CR		
	PREREQ				
1	04.00-05.40	M W	ARENA	119	MILLER LESLIE R
405	SEX EDUC IN SCHOOLS		04.0 CR		
	PREREQ	JR, SR, OR GRAD STATUS			
1	09.00	MTWTH	ARENA	121	BOYDSTON DONALD N
442S	DRIV + TRAF SAFE ED		04.0 CR		
	PREREQ	HED 302S			
1	08.00	MTWTH	L-APS	136	RITZEL DALE O
443S	DRIV + TRAF SAFE ED		04.0 CR		
	PREREQ	HED 442S			
1	06.30-09.00 PM	T	L-APS	136	AARON JAMES E
445S	DRIVER SIMULATION		04.0 CR		
	PREREQ	HED 443S			
1	06.00-09.00 PM	M	L-APS	136	RITZEL DALE O
460	SCH HEALTH PROGRAMS		04.0 CR		
	PREREQ				
1	09.00	MTWTH	ARENA	119	VAUGHAN ANDREW T
481S	SAFETY ED WORKSHOP		04.0 CR		
	PREREQ	HED 314S CR 323S OR 480S OR			
		CONSENT OF INSTR			
1	09.30-12.00	S	L-APS	136	
488	ED ASP ENVIRON SAN		04.0 CR		
	PREREQ	HED 100,205,OR EQUIVALENT			
1	06.30-09.00 PM	M	ARENA	121	GRISSOM DEWARD K
489	INTRO-VITAL STATIS		04.0 CR		
	PREREQ	MATH 120 CR EQUIVALENT			
1	03.00-05.00	TH	ARENA	123	CASEY LESLIE R
490	FLD WK SCH COMM HEA	02.0 TO 08.0 CR			
	PREREQ	RESTRICTED TO MAJORS IN DEPT			
1		TO BE ARRANGED			RICHARDSON CHARLES
491	H TCH-SCHOOL + COMM		04.0 CR		
	PREREQ	HED 305,471 OR CONSENT OF			
		INSTRUCTOR			
1	06.30-09.00 PM	T	ARENA	119	VINCENT RAYMOND J
510	CONST CURR-HED+SAFE		04.0 CR		
1	06.30-09.00 PM	T	ARENA	121	RUSSELL ROBERT D
520	SPEC PROJ-HED + SAF	04.0 TO 06.0 CR			
1		TO BE ARRANGED			BOYDSTON DONALD N
525S	ORG-ADMN-SJP-SAF ED		04.0 CR		
1	06.30-09.00 PM	M	L-APS	136	AARON JAMES E
533B	HUMAN CONSERVATION		04.0 CR		
	PREREQ	HED 533			
1	06.30-09.00 PM	TH	ARENA	121	RICHARDSON + GRISSOM
536	PROF PREP IN H ED		04.0 CR		
1	06.30-09.00 PM	W	ARENA	119	LEFEVRE JOHN R
597A	SEM IN HED + SAFETY		01.0 CR		
1		TO BE ARRANGED			BOYDSTON DONALD N
597B	SEM IN HED + SAFETY		01.0 CR		
1		TO BE ARRANGED			BOYDSTON DONALD N
597C	SEM IN HED + SAFETY		01.0 CR		
1		TO BE ARRANGED			BOYDSTON DONALD N
599	THESIS	03.0 TO 09.0 CR			
1		TO BE ARRANGED			BOYDSTON DONALD N
600	DISSERTATION	01.0 TO 48.0 CR			
	PREREQ	MUST MEET MINIMUM REQ OF 36			
		HRS FOR PH D DECREE			
1		TO BE ARRANGED			BOYDSTON DONALD N

Higher Education (HIED)

512	HIED-SELECT NATIONS			04.0 CR	
1	06.30-09.15 PM	M	WHAM	312	CALDWELL OLIVER J
513	ORGAN + ADMIN-HIED			04.0 CR	
1	11.00	MTW F	WHAM	329	DAVIS I CLARK
522	READINGS			01.0 TO 12.0 CR	
	PREREQ	CONSENT OF INSTRUCTOR			
1	TO BE ARRANGED				TOLLE DONALD J
2	TO BE ARRANGED				CASEBEER ARTHUR L
3	TO BE ARRANGED				HAWLEY
523A	INTERN-COLL TEACH			01.0 TO 12.0 CR	
	PREREQ	CONSENT OF DEPT			
1	TO BE ARRANGED				TOLLE + HILL
523B	INTERN-STUDENT PERS			01.0 TO 12.0 CR	
	PREREQ	CONSENT OF DEPT			
1	TO BE ARRANGED				CASEBEER ARTHUR L
523C	INTERN-COLLEGE ADM			01.0 TO 12.0 CR	
	PREREQ	CONSENT OF DEPT			
1	TO BE ARRANGED				MOORE MALVIN JR
523D	INTERNSHIP			01.0 TO 12.0 CR	
	PREREQ	CONSENT OF DEPT			
1	TO BE ARRANGED				JUNG LOREN B
524	INDIVIDUAL STUDY			02.0 TO 06.0 CR	
	PREREQ	CONSENT OF INSTRUCTOR			
1	TO BE ARRANGED				TOLLE DONALD J
2	TO BE ARRANGED				CASEBEER ARTHUR L
3	TO BE ARRANGED				HAWLEY
535C	STUDENT PER GROUP W			02.0 CR	
1	10.00-11.50	TH	WHAM	303	CASEBEER ARTHUR L
535D	NON-ACADEM PERS MGT			02.0 CR	
1	06.30-08.30 PM	M	WHAM	301A	SAPPENFELD M M
535J	TECHNICAL INSTITUTE			02.0 CR	
1	09.00-10.50	S	WHAM	203	SIMON ERNEST J
545R	SEMINAR-SOCIOLOGY			03.0 CR	
1	06.30-09.15 PM	W	WHAM	301A	HAWLEY
551	CURR DES + POLICY			04.0 CR	
1	06.30-09.15 PM	TH	WHAM	326	MOORE MALVIN JR
565	COMMUNIT-JR COLLEGE			04.0 CR	
1	04.00-05.40	M W	WHAM	326	TOLLE DONALD J
578	ECON ASPECT OF HIED			04.0 CR	
1	06.30-09.15 PM	T	WHAM	302	
599	THESIS			01.0 TO 09.0 CR	
1	TO BE ARRANGED				MOORE MALVIN JR
600	DISSERTATION			01.0 TO 48.0 CR	
	PREREQ	MINIMUM OF 36 HRS TO BE EARNED			
		FOR DOCTOR OF PHIL			
1	TO BE ARRANGED				KING

History (HIST)

304B	ANC WORLD-GREECE			03.0 CR	
1	06.00-07.25 PM	M W	H EC	203	BREHM DONALD L
309B	SURV BLACK AM HIST			03.0 CR	
1	11.00	MT TH	LAWSON	131	HUDSON
315B	INTEL HIST-WEST WLD			03.0 CR	
1	12.00	MT TH	LAWSON	221	VYVERBERG HENRY S
322B	ENG HIST- 1603-1815			04.0 CR	
1	11.00	MT THF	0861	101	CHERRY GEORGE L
332B	MEDIEVAL HISTORY			03.0 CR	
1	03.00	M WTH	H EC	206	BREHM DONALD L
333A	EARLY MODERN EUROPE			03.0 CR	
1	08.00	MT TH	H EC	203	DOTSON
333B	EUR HIST-18+19 CENT			03.0 CR	
1	12.00	M W F	H EC	203	MCFARLIN
333C	EUR HIST-20TH CENT			03.0 CR	
1	10.00	T TH	0862	101	ODAY
	10.00	F	0875	101	
349B	AFRICA COLONIAL PRE			03.0 CR	
1	03.00	T THF	WHAM	201	BERBERICH CHARLES
352B	LATN AMER-19TH CENT			03.0 CR	
1	12.00	M W F	H EC	201	WERLICH DAVID P

367B	FAR EAST--1800-1945		03.0	CR		
1	08.00	M W F	H EC	201	KVO	
401B	HIST OF SOUTH		03.0	CR		
1	10.00	M	0861	101	MURPHY JAMES B	
	10.00	T TH	0862	102		
401C	HIST OF SOUTH		03.0	CR		
1	12.00	MT	AG	154	MURPHY	
	12.00	TH	0871	102		
403B	AMER ECONOMIC HIST		03.0	CR		
1	01.00	M W F	H EC	201	CONRAD DAVID E	
404	DEMOC, NAT + SECT		03.0	CR		
	PREREQ	GSB 300A				
1	12.00	M W TH	LS II	146	AMMON	
406A	DIPL HIST OF EUROPE		03.0	CR		
1	12.00	T THF	LS II	250	ODAY	
408A	PROB IN BLCK AM HIS		03.0	CR		
	PREREQ	5 HRS 300 LEVEL SOC SCI OR CON				
		SENT OF INSTR				
1	09.00	M	0862	101	HUDSON	
	09.00	T TH	0862	102		
409B	US CONSTITUT HIST		03.0	CR		
1	06.00-07.25 PM	M W	H EC	102	CARROTT MONTGOMERY B	
410	SPECIAL READINGS		02.0	TO 05.0	CR	
1	TO BE ARRANGED					
411B	U S SOC-INT-19TH C		03.0	CR		
1	09.00	T THF	PHY SA	160	ADAMS GEORGE W	
414B	INT-HIST EUR-19TH C		03.0	CR		
1	10.00	MT TH	LAWSON	221	VYVERBERG HENRY S	
416B	MOD EUR REFORMATION		03.0	CR		
1	12.00	MT	H EC	118	DOTSON	
	12.00	TH	WHAM	201		
417B	ADV ENG HIST		03.0	CR		
1	09.00	M W F	H EC	201	CHERRY GEORGE L	
419B	EUROPE 1715-1789		03.0	CR		
1	01.00	M W F	H EC	118		
425B	AMER COLONIAL HIST		03.0	CR		
1	01.00	T TH	PHY SA	156	BATINSKI MICHAEL C	
	01.00	F	TECH A	310		
434B	SOC EUR 1870-1914		03.0	CR		
1	09.00	T THF	PHY SA	278	ZUCKER STANLEY	
435A	20TH CENT J.S. HIST		03.0	CR		
	PREREQ	GSB 300C CR CONSENT OF INSTR				
1	07.30-09.00 PM	T TH	H EC	201	ALLEN	
435B	20TH CENT J.S. HIST		03.0	CR		
	PREREQ	GSB 300C CR CONSENT OF INSTR				
1	01.00	M	LS I	323	ALLEN	
	01.00	T TH	H EC	203		
440B	AMER DIPL 1860-1920		03.0	CR		
1	03.00	TW	H EC	104	TRANI	
	03.00	TH	PARK	306		
442B	THE WEST-TRANS ALLE		03.0	CR		
1	04.00	T THF	H EC	102	CLIFFORD JOHN	
448A	HIST OF S.EAST ASIA		03.0	CR		
1	11.00	M W F	H EC	118	HENDERSHOT CLARENCE	
449A	ADV AFRICAN HISTORY		03.0	CR		
	PREREQ	1 QTR HIST 349, CONSENT OF INSTR. OR GRAD STAND.				
1	07.35-09.00 PM	T TH	H EC	202	BERBERICH CHARLES	
451	GREAT HISTORIANS		03.0	CR		
	PREREQ	5 HRS OF 300 LEVEL SOC SCI OR CONSENT OF INSTR				
1	02.00	M W TH	PHY SA	160	AMMON HARRY	
452	METH OF HIST RES		03.0	CR		
1	01.00-02.50	T TH	AG	218	MURPHY	
460A	SOC+INTEL-MID AGES		03.0	CR		
1	09.00	T TH	LS II	350	SHELBY	
	09.00	F	LS II	250		
464A	HISTORY OF GERMANY		03.0	CR		
1	11.00	MT TH	PHY SA	278	DETWILER DONALD S	
465B	REV RUSS SINCE 1905		03.0	CR		
1	10.00	M W F	H EC	201	MCFARLIN HAROLD A	

473A	18-19TH C CARIBBEAN	03.0 CR	
1	03.00 MT TH H EC 118	GOLD	
475B	DICTATORSHIP-LTN AM	03.0 CR	
1	07.00-10.00 PM T H EC 102	GOLD	
477	BRAZIL SINCE INDEP	03.0 CR	
	PREREQ 5 HRS OF 300 LEVEL SOC SCI OR CONSENT OF DEPARTMENT		
1	10.00 M W F H EC 118	GARDINER	
478A	HISTORY OF SPAIN	03.0 CR	
	PREREQ 5 HRS OF 300 LEVEL SOC SCI OR CONSENT OF INSTR		
1	02.00 M W H EC 118	BREHM	
	02.00 TH H EC 203		
498B	RESEARCH HON THESIS	03.0 CR	
1	TO BE ARRANGED	CARROTT	
510	READING IN HISTORY	02.0 TO 12.0 CR	
	PREREQ CONSENT OF DEPARTMENT		
1	TO BE ARRANGED		
520A	SEC AND REFORM	04.0 CR	
1	02.00-05.00 TH H EC 122A	FLADELAND BETTY L	
521A	SEM AMER DIPLO HIST	04.0 CR	
1	05.00-08.00 W H EC 122A	TRANI	
522B	SEM AMER ECON HIST	04.0 CR	
	PREREQ ECON 214 CR 215 OR CONSENT OF INSTR		
1	09.00-11.50 W H EC 122A	CONRAD	
568B	SEM IN ILLINOIS HIS	04.0 CR	
1	02.00-05.00 M H EC 122A	SIMON	
575C	STUDIES-LATIN AMER	04.0 CR	
1	01.00-04.00 W WHAM 212	WERLICH DAVID P	
591B	SEM-MOD EUROPE HIST	04.0 CR	
	PREREQ 3RD STANDING OR PERMISSION OF DEPT		
1	01.00-04.00 T H EC 122A	DETWILER	
599	THESIS	01.0 TO 09.0 CR	
1	TO BE ARRANGED		
600	DISSERTATION	01.0 TO 48.0 CR	
1	TO BE ARRANGED		
Home Economics (H EC)			
305	HONORS SEMINAR	02.0 TO 06.0 CR	
1	TO BE ARRANGED	HARRISON ROBERTA L	
387	SPEC PROB-HONORS	02.0 TO 08.0 CR	
1	TO BE ARRANGED		
388	RES + INVESTIGATION	02.0 TO 08.0 CR	
1	TO BE ARRANGED		
Home Economics Education (HEED)			
309A	PROGRAM PLANNING	03.0 CR	
	PREREQ GUID 305, S ED 310		
1	09.00 M W F H EC 133	MOORE VIOLET	
310	EVAL AND ADULT EDUC	04.0 CR	
	PREREQ 309 AND S ED 352 CONCURRENTLY		
1	TO BE ARRANGED	EUDLEMAN EDNA J	
313	SPECIAL PROBLEMS	02.0 TO 04.0 CR	
	PREREQ .		
1	TO BE ARRANGED		
481	READINGS	02.0 TO 04.0 CR	
	PREREQ CONSENT OF INSTR AND CHAIRMAN OF DEPARTMENT		
1	TO BE ARRANGED		
485	PRIN-PHIL VO TEC ED	03.0 CR	
	PREREQ STUDENT TEACHING OR CONSENT OF DEPARTMENT		
1	06.00-09.30 PM M TECH D 130	KEENAN DOROTHY M	
	CROSS-LISTED WITH TIED 485		
506	EVAL PROCED IN H EC	04.0 CR	
1	06.00-09.00 PM TH H EC 133	FULTS ANNA CAROL	
510A	PRACTICUM IN SUPERV	01.0 TO 04.0 CR	
	PREREQ 510 OR EDAF 456 OR CONSENT OF INSTRUCTOR		
1	TO BE ARRANGED	KEENAN DOROTHY M	

515	TRENDS AND ISSUES			04.0 CR	
1	08.30-12.00		S H EC	133	KEENAN DOROTHY M
572	SPECIAL PROBLEMS			02.0 TO 05.0 CR	
1	TO BE ARRANGED				
573	SEM-RES IN HOME EC			01.0 TO 06.0 CR	
	PREREQ CONSENT OF INSTRUCTOR				
1	TO BE ARRANGED				FULTS ANNA CAROL
599	THESIS			02.0 TO 09.0 CR	
1	TO BE ARRANGED				
600	DISSERTATION			03.0 TO 48.0 CR	
1	TO BE ARRANGED				FULTS ANNA CAROL

Interior Design (ID)

131	INTRO TO DESIGN			03.0 CR	
1	12.00	M W	H EC	140B	
	12.00-01.50		F H EC	302	
2	12.00	M W	H EC	140B	
	12.00-01.50	T	H EC	302	
3	12.00	M W	H EC	140B	
	12.00-01.50	TH	H EC	302	
4	12.00	M W	H EC	140B	
	03.00-04.50	W	H EC	302	
231B	BASIC INTERIOR DES			03.0 CR	
	PREREQ ID 231A				
1	09.00	M	H EC	304A	SEKELY
	08.00-09.50	T TH	H EC	304A	
2	09.00	M	H EC	304A	SEKELY
	08.00-09.50	W F	H EC	304A	
300	DISPLAY+EXHIBITION			02.0 TO 04.0 CR	
	PREREQ 231A,B OR 131				
1	02.00-03.50	T TH	H EC	302	GREENE
	LAB HOURS TBA				
327	HOME FURNISH + INT			03.0 CR	
	PREREQ 131 OR EQUIV OR CONSENT OF INSTR				
1	01.00	T TH	H EC	140B	STEWART
	12.00-01.50		F H EC	304A	
2	01.00	T	H EC	140B	STEWART
	01.00	TH	H EC	304A	
	03.00-04.50	M	H EC	302A	
331	TEXTILE DESIGN			03.0 CR	
	PREREQ 231A OR EQUIV CR CONSENT OF INSTR				
1	08.00-09.50	T TH	H EC	302	GREENE
381	20TH CENTURY ID			04.0 CR	
	PREREQ *AD 110B, 231A,B OR CONSENT OF INSTR				
1	04.00	MTWTH	H EC	140B	SEKELY
391A	INTERMEDIATE ID			05.0 CR	
	PREREQ ID 390				
1	10.00		F H EC	304A	STEWART
	10.00-11.50	M W	H EC	304A	
2	10.00		F H EC	304A	STEWART
	10.00-11.50	T TH	H EC	304A	
394	PROFESSIONAL PRACT			04.0 CR	
	PREREQ ID 391C CR CONSENT OF INSTR				
1	01.00-02.50	M W	H EC	304A	SEKELY
	01.00		F H EC	304A	
2	01.00-02.50	T TH	H EC	304A	SEKELY
	01.00		F H EC	304A	
470	INT DESIGN SEMINAR			03.0 CR	
	PREREQ CONSENT OF CHAIRMAN				
1	TO BE ARRANGED				MORAN WALTER J
473	ADVANCED TAILORING			04.0 CR	
	PREREQ C+T 36C, PROFICIENCY, OR CONSENT OF DEPT				
1	11.00	M F	H EC	303	BERRY THELMA H
	10.00-11.50	T TH	H EC	303	BERRY THELMA H
474	ADVANCED TEXTILES			04.0 CR	
	PREREQ C+T 304 CR CONSENT OF CHAIRMAN				
1	03.00-04.50	MT TH	H EC	301	PADGETT ROSE

481 READINGS 02.0 TO 06.0 CR
 PREREQ CONSENT OF CHAIRMAN
 1 TO BE ARRANGED
 500 RESEARCH METHODS 04.0 CR
 PREREQ STATISTICS OR CONSENT OF
 CHAIRMAN
 1 06.00-09.00 PM M H EC 301
 583A COLLEGE TEACH C+T 01.0 CR
 1 TO BE ARRANGED
 599 THESIS 02.0 TO 09.0 CR
 1 TO BE ARRANGED

Industrial Technology (IT)

100 ORIENTATION 00.0 CR
 1 03.00 T TECH A 111
 CROSSLISTED IN SCHOOL OF TECHNOLOGY
 300B PLASTIC PROCESS 04.0 CR
 PREREQ 300A
 1 03.00 M WTH TECH A 220
 03.00 T TECH A 208
 2 03.00 M WTH TECH A 220
 03.00 F TECH A 220
 305B DESIGN ILLUSTRATION 03.0 CR
 PREREQ E T 102B
 1 01.00 M W TECH A 208
 08.00-09.50 S TECH A 307
 2 01.00 M W TECH A 208
 10.00-11.50 S TECH A 307
 306B INDUSTRIAL DESIGN 03.0 CR
 PREREQ I T 306A
 1 10.00 M W TECH A 307
 10.00-11.50 F TECH A 307
 317 CAST+METAL FORMING 05.0 CR
 PREREQ MATH 111A
 1 12.00 MT THF TECH A 111
 06.00-07.50 PM T TECH D 14B
 2 12.00 MT THF TECH A 111
 01.00-02.50 T TECH D 14B
 3 12.00 MT THF TECH A 111
 03.00-04.50 T TECH D 14B
 4 12.00 MT THF TECH A 111
 10.00-11.50 W TECH D 14B
 5 12.00 MT THF TECH A 111
 03.00-04.50 F TECH D 14B
 319 INDUSTRIAL INTERN 03.0 TO 24.0 CR
 PREREQ CONSENT OF INSTRUCTOR
 1 TO BE ARRANGED
 325 METAL REMOVAL PROC 05.0 CR
 PREREQ MATH 111A
 1 08.00 MT THF TECH A 111
 10.00-11.50 T TECH D 14B
 2 08.00 MT THF TECH A 111
 10.00-11.50 TH TECH D 14B
 3 08.00 MT THF TECH A 111
 08.00-09.50 W TECH D 14B
 4 08.00 MT THF TECH A 111
 01.00-02.50 TH TECH D 14B
 5 08.00 MT THF TECH A 111
 06.00-07.25 PM TH TECH D 14B
 342 INDUSTRIAL FINISHES 03.0 CR
 PREREQ .
 1 08.00 M W F TECH A 422
 343B ELECT ELECTRONICS 03.0 CR
 PREREQ IT 343A
 1 04.00 M W F TECH A 122
 358 MAT HAND+PL LAYOUT 05.0 CR
 PREREQ I T 317 + 325
 1 02.00 MTWTHF TECH A 422
 365 QUALITY CONTROL 04.0 CR
 PREREQ JUNIOR STANDING
 1 09.00 MT THF TECH A 422

375	PROD+INVENT CONTROL		04.0 CR	
	PREREQ JUNIOR STANDING			
1	11.00	MTWTH	TECH A	208

Instructional Materials (I M)

308	INTRO TO CATALOGING		04.0 CR	
1	03.00	M W	PULL	310 DALE
	03.00-04.50	TH	PULL	310
400	LIB RES METHODS		02.0 CR	
1	02.00	M W	PULL	318 DALE DORIS CRUGER
403	SCH LIB FUN MGT		04.0 CR	
1	08.00	MTWTH	PULL	318 FLETCHER
405	LIB MAT FOR CHILD		04.0 CR	
	PREREQ OPEN TO JUNIORS WITH CONSENT OF INSTRUCTOR			
1	11.00	MTWTH	PULL	318 FLETCHER KATHLEEN G
406	ADOL LIB MATERIALS		04.0 CR	
	PREREQ OPEN TO JUNIORS WITH CONSENT OF INSTRUCTOR			
1	09.00	MTWTH	PULL	318 FLETCHER KATHLEEN G
407	BASIC REF SOURCES		04.0 CR	
1	09.00	MTWTH	PULL	310 COX DOROTHY J
413	CAT OF NON-BOOK MAT		04.0 CR	
	PREREQ 308			
1	11.00	MTWTH	PULL	310 COX DOROTHY J
417	A-V METH IN EDUC		04.0 CR	
1	08.00	MTWTH	PULL	316
2	09.00	MTWTH	PULL	316
3	10.00	MTWTH	PULL	316
4	11.00	MTWTH	PULL	316
5	12.00	MTWTH	PULL	316
6	12.00	MTWTH	PULL	318
7	01.00	MTWTH	PULL	316
8	01.00	MTWTH	PULL	318
9	02.00	MTWTH	PULL	316
10	03.00	MTWTH	PULL	316
11	04.00	MTWTH	PULL	316
12	04.00	MTWTH	LAWSON	121
13	05.45-07.25	M W	PULL	316
14	05.45-07.25	T TH	PULL	316
445	PREP TEACH-MADE MAT		04.0 CR	
	PREREQ 417 OR CONSENT OF INSTRUCTOR			
1	09.00-10.50	MTWTH	PULL	307 EDWARDS SETH J
2	01.00-02.50	MTWTH	PULL	307 JURGEMEYER
470	PROGRAM AUTO INST		04.0 CR	
1	03.00	MTWTH	PULL	318 WENDT PAUL R
505	LIT OF HUMANITIES		03.0 CR	
	PREREQ I M 407			
1	04.00	MTW	PULL	310 DALE
546	INTG A-V MATERIALS		04.0 CR	
	PREREQ 417, CONSENT OF INSTRUCTOR			
1	06.30-09.00 PM	M	PULL	318 INGLI
547	SCH FILM PRODUCTION		04.0 CR	
	PREREQ 417 AND 440 OR CONSENT OF INSTRUCTOR			
1	01.00-02.50	MTWTH	PULL	310 BUTTS
554	ADMIN INST MAT CEN		04.0 CR	
	PREREQ 403			
1	10.00	MTWTH	PULL	318 SPIGLE
576	PROB INST MAT		02.0 TO 08.0 CR	
	PREREQ CONSENT OF INSTRUCTOR			
1	TO BE ARRANGED			
599	THESIS		05.0 TO 09.0 CR	
1	TO BE ARRANGED			
600	DISSERTATION		01.0 TO 48.0 CR	
1	TO BE ARRANGED			BUTTS GORDON K

Journalism (JRNL)

300	THE NEWS		03.0 CR
	PREREQ JRNL 101, 102 CR 345, 346		

1	08.00	T TH	WOODY	1014	
	11.00-12.50	T	WOODY	1014	
2	09.00	T TH	WOODY	1014	
	01.00-02.50	W	WOODY	1014	
3	06.00-07.25 PM	T TH	WOODY	1012	
301	NEWSWRIT EDIT I			03.0 CR	
	PREREQ JRNL 203				
1	09.00	T	LAWSON	101	HIX
2	09.00	T	LAWSON	101	HIX
3	09.00	T	LAWSON	101	HIX
4	09.00	T	LAWSON	101	HIX
	EACH SECT OF 301 HAS ADDITIONAL HRS TBA				
302	NEWSWRIT EDIT II			03.0 CR	
	PREREQ JRNL 203				
1	08.00	MTWTH	WOODY	1012	
2	10.00	M W F	WOODY	1014	
	12.00	TH	WOODY	1014	
303	NEWS + EDIT III			03.0 CR	
	PREREQ JRNL 301 AND 302				
1	09.00	T	WHAM	308	GRANATO LEONARD A
2	09.00	TH	WHAM	308	GRANATO LEONARD A
	EACH SECT OF 303 HAS ADDITIONAL HRS TBA				
310	RADIO TV NEWS			03.0 CR	
	PREREQ JRNL 203, 301, 302, AND 303				
1	01.00	M W F	COMM	1016	RIMERMAN
330	EDITORIAL WRITING			03.0 CR	
	PREREQ JRNL 303				
1	10.00	T THF	WOODY	1012	STONECIPHER HARRY W
345	HIST OF JOURN			03.0 CR	
1	06.00-07.25 PM	M W	LAWSON	221	HART
346	COMPARATIVE JOURN			03.0 CR	
1	11.00	M W F	PARK	204	FORD
351	COMM NP MANAGEMENT			03.0 CR	
	PREREQ JRNL 350				
1	03.00	M W F	WOODY	1014	RICE W MANION
370	PRIN OF ADVERTISING			03.0 CR	
	PREREQ JRNL 101, 102 CR 345, 346				
1	09.00	M W F	0720	102	ROCHE BRUCE
372	AD COPY LAYOUT PROC			05.0 CR	
	PREREQ JRNL 370				
1	01.00	M W F	WOODY	1010	LYNN
	01.00-02.50	T TH	WOODY	1010	
373	ADV MEDIA + MARKETS			03.0 CR	
	PREREQ JRNL 370				
1	11.00	M W F	PIERCE	130	ROCHE
374	ADV POL AND PROBS			03.0 CR	
	PREREQ CONSENT OF DEPT				
1	10.00	T THF	WOODY	1010	FRIEND DAVID L
376	ADVER CAMPAIGNS			04.0 CR	
	PREREQ CONSENT OF DEPT				
1	09.00	T TH	WOODY	1010	LYNN
383A	NP PROD MANAGEMENT			03.0 CR	
	PREREQ JRNL 203				
1	08.00	M W F	WOODY	1014	BROWN GEORGE CURTIS
2	02.00	T THF	WOODY	1014	CROW WENDELL C
383B	NP PROD MANAGEMENT			03.0 CR	
	PREREQ JRNL 383A				
1	09.00	M W F	WOODY	1012	BROWN GEORGE CURTIS
2	12.00	M W F	WOODY	1014	CROW WENDELL C
3	11.00	M W F	WOODY	1012	CROW
389	BASIC RES IN JRNL			03.0 CR	
	PREREQ SENIOR STANDING				
1	02.00	M W F	AG	218	ATWOOD L ERWIN
390	ADVANCED REPORTING			03.0 CR	
	PREREQ JRNL 303				
1	01.00	T THF	WOODY	1014	STARCK KENNETH
391	FEATURE WRITING			03.0 CR	
	PREREQ JRNL 303				
1	11.00	T TH S	WOODY	1012	STARCK KENNETH
2	11.00	M W F	WOODY	1014	BROOKS

393	PUBLICITY METHODS		03.0 CR		
1	03.00	M W F	COMM 1024	EPPERHEIMER	
398	MAGAZ PROD + LAYOUT		03.0 CR		
	PREREQ	JRNL 383A, B			
1	10.00	T TH	WOODY 1014	FORD JAMES L C	
	01.00-02.50	M	WOODY 1014	FORD JAMES L C	
399	SENIOR SEMINAR		01.0 CR		
	PREREQ	LAST QTR MAJORS			
1	12.00	T	COMM 1022	FRAZER MARY KING	
421	SCHOOL PUBLICATIONS		04.0 CR		
1	01.00	MTWTH	WHAM 301A	RICE	
431	PUBLIC RELATIONS		03.0 CR		
	PREREQ	SR STANDING-JRNL MAJORS ONLY			
1	02.00	M WTH	LS II 430	ROCHE BRUCE	
432	FOUND MASS COMM THE		03.0 CR		
	PREREQ	JNDERGRAD-JRNL 395, GRAD-433A			
		OR CONSENT OF INSTR			
1	06.00-09.00 PM	T	COMM 2012	ATWOOD L ERWIN	
442	LAW OF JOURNALISM		03.0 CR		
	PREREQ	SR STANDING -JRNL MAJORS ONLY			
1	11.00	M W F	COMM 1006	STONECIPHER HARRY W	
449	PRACTICUM		02.0 TO 08.0 CR		
	PREREQ	CONSENT OF DEPT			
1	TO BE ARRANGED			LONG HOWARD RUSK	
494	CRITICISM + REVIEW		03.0 CR		
1	TO BE ARRANGED			TENNEY	
498	READINGS		01.0 TO 12.0 CR		
	PREREQ	CONSENT OF INSTR			
1	TO BE ARRANGED			GROTTA	
530	SEM- PRESS FREEDOM		02.0 CR		
1	10.00-11.50	TH	LIB 108	MCCOY RALPH E	
532	MASS COMM THEORY		04.0 CR		
	PREREQ	JRNL 433B CR CONSENT OF INSTR			
1	TO BE ARRANGED			CHU	
533	RESEARCH PROB-JRNL		01.0 TO 04.0 CR		
1	TO BE ARRANGED			BROWN	
590	SEMINAR-JRNL HIST		03.0 CR		
	PREREQ	JRNL 545 CR CONSENT OF INSTR			
1	03.00-04.50	T TH	TECH B 20	HART JIM ALLEE	
595	GRADUATE SEMINAR		00.0 CR		
1	04.30-05.20	F	AG 218	BROWN	
598	READINGS		01.0 TO 12.0 CR		
	PREREQ	CONSENT OF INSTR			
1	TO BE ARRANGED				
599	THESIS		01.0 TO 08.0 CR		
1	TO BE ARRANGED			BROWN	
600	DISSERTATION		01.0 TO 48.0 CR		
1	TO BE ARRANGED			BROWN	

Liberal Arts and Sciences (LA S)

300	INDIV INTERDIS REAC		01.0 TO 04.0 CR	
1	TO BE ARRANGED			
301	INDIV INTERDISC RES		01.0 TO 04.0 CR	
1	TO BE ARRANGED			
302	IND INTERDIS F STUD		01.0 TO 04.0 CR	
1	TO BE ARRANGED			

Linguistics (LING)

401A	INTRO TO LINGUISTIC		04.0 CR	
1	02.00	MT THF	PHY SA 458	
405A	DESCRIPTIVE LING		04.0 CR	
1	11.00-11.20	MT TH	H EC 102	
	11.00	F	WHAM 301B	
405B	DESCRIPTIVE LING		04.0 CR	
1	10.00	MT THF	AG 220	
2	01.00	MT THF	0720 118	
406	ENG PHONOLOGY		04.0 CR	
1	10.00	MT THF	H EC 8	
410H	UNCOM LANG-VIET NAM		05.0 CR	
	PREREQ	SSD 210G, F, I OR EQUIV		

1	10.00	M	F	LS II	350	
	10.00	T	TH	0720	116	
5058	CONTRAS + HIST LING			04.0	CR	
1	02.00	MT	THF	WHAM	321	
540	STUDIES-LINGUISTICS			02.0	TD 08.0	CR
1	01.00	MT	THF	0720	108	
5888	METH ENG FJR LANG			03.0	CR	
1	09.00	M	THF	WHAM	212	
	09.00	T		WHAM	228	
2	09.00	MT	THF	0720	106	
597	READ-LINGUISTICS			02.0	TD 06.0	CR
1	TO BE ARRANGED					

Management (MGT)

170	INTR TO BUS ADMIN			04.0	CR	
	PREREQ FRESHMEN AND SOPHOMORES ONLY					
1	08.00	MTWTHF	LAWSON	121	BEDWELL R RALPH	
2	07.00-09.15 PM	M	LAWSON	101	HICKS	
	07.00-09.15 PM	W	LAWSON	121		
301	MGT + SUPERVISION			04.0	CR	
	PREREQ GSB 201C CR EQUIVALENT, OR PERMISSION OF INSTRUCTOR					
1	10.00-11.50	M	F	TECH A	310	LOWER
302	ADMIN COMM IN BUS			04.0	CR	
	PREREQ GSD102, MGT1700RACCT2500R251ADR MGT3400RECLIVORCONSENT					
1	04.00	MT	THF	CL	109	
2	04.00	MT	THF	WHAM	308	STAFF
340	BUS-ORG AND MGT			04.0	CR	
	PREREQ GSB 201B AND C, OR EQUIVALENT-JR STANDING OR CONSENT					
1	04.00	MTWTHF	PHY SB	440		
2	12.00	MTWTHF	PHY SB	240	MADDEN	
341	ORGANIZ BEHAVIOR I			04.0	CR	
	PREREQ 340, GSD 110 OR EQUIV OR CONSENT OF INSTR					
1	08.00-09.50	M	W	AG	144	STAFF
2	03.00-04.50	M	W	LS I	323	STAFF
345	INF SYST-COMP FUND			04.0	CR	
	PREREQ ACCT 261, MGT 340 OR FIN 320 OR MKT 301, OR CONSENT					
1	10.00-11.50	T	TH	CL	24	LIPP
2	03.00-04.50	T	TH	LS I	323	LIPP
361	RESEARCH IN BUS ADM			04.0	CR	
	PREREQ MGT 340, GSD 102, 103, GSD 110 OR EQUIV OR CONSENT					
1	08.00-09.50	T	TH	AG	220	BUSSOM
380	PRODUCTION MGT			04.0	CR	
	PREREQ MGT 340, 345, MATH 150A OR EQUIV. OR CONSENT					
1	08.00-09.50	T	TH	LS I	205	MADDEN
382	PERF STAND+METH IMP			04.0	CR	
	PREREQ MGT 340 OR CONSENT OF INSTR					
1	12.00-01.50	M		0720	101	VICARS
	12.00-01.50	F		TECH A	308	
385	PERSONNEL MGT			04.0	CR	
	PREREQ MGT 340, GSD 11C OR EQUIVALENT , OR CONSENT OF INSTR					
1	08.00-09.50	M	F	LS I	205	STAFF
2	02.00-03.50	M	F	0875	101	
452	BUS OPERATIONS ANAL			04.0	CR	
	PREREQ MGT 340, 451 OR MATH 150 OR GSD 110, ECLIV. CR CONS.					
1	11.00-12.50	T	TH	LS I	323	
474	MGT RESP IN SOCIETY			04.0	CR	
	PREREQ MGT 340, SR STANDING OR CONSENT OF INSTR					
1	12.00-01.50	W		0720	101	DEHOFF
	12.00-01.50	F		COMM	1021	
2	08.00-09.50	W	F	CL	24	

479	PROBS BUS AND ECCN	04.0 CR			
	PREREQ 340, ECON 215, 308 OR 408 OR				
	EQUIV, MKTG 301 OR EQ.				
1	09.00-10.50	T TH	FELTS	130	SANDERS RONALD L
2	01.00-02.50	T TH	CL	109	SANDERS RONALD L
481	ADMINISTRATIVE POL	04.0 CR			
	PREREQ MGT 340, FIN 320, MKTG 301 OR				
	EQUIV, + SR STANDING				
1	10.00-11.50	M	PHY SB	240	GREENWOOD
	10.00-11.50	W	PULL	38	
2	10.00-11.50	W	LS I	323	SHERMAN
	10.00-11.50	F	COMM	1022	
3	02.00-03.50	W F	0862	102	SHERMAN
4	01.00-02.50	T TH	CL	24	BUSSOM
485	PROBS PERS MGT	04.0 CR			
	PREREQ MGT 385, ECON 308 OR 408, MGT				
	361				
1	01.00-02.50	M W	AG	144	BISHOP RONALD C

Marketing (MKTG)

301	MKTG FUNDAMENTALS	04.0 CR			
	PREREQ ECON 214, ACCT 251A				
1	10.00	MTWTH	LAWSON	161	MOORE
335	INTERNATIONAL MKTG	04.0 CR			
	PREREQ MKTG 301				
1	10.00-11.50	T	COMM	1022	POWELL ANDREW F
	10.00-11.50	TH	AG	216	
341	TRANSPORTATION	04.0 CR			
	PREREQ MKTG 301, ECON 215				
1	08.00	MT THF	CL	109	NOVICK JEHIEL
2	03.00-04.50	T TH	WHAM	205	ROSENBERGER CHARLES
363	PROMOTIONAL CONCEPT	04.0 CR			
	PREREQ MKTG 301				
1	09.00	MTWTH	WHAM	112	
2	11.00	MTWTH	CL	109	
3	01.00	TWTHF	PHY SA	160	
4	03.00	TWTHF	WHAM	112	
390	MKTG RES + ANAL	04.0 CR			
	PREREQ MKTG 301, ONE COURSE IN				
	STATISTICS				
1	09.00	TWTHF	H EC	202	
2	11.00	W F	CL	326	
	11.00	T TH	H EC	120	
3	08.00	MTWTH	WHAM	329	
4	10.00	MTWTH	WHAM	202	
401	PROB IN RETAILING	04.0 CR			
	PREREQ MKTG 363				
1	01.00	MTWTH	LS II	250	JAMES
2	03.00	MTWTH	WHAM	312	JAMES
438	SALES MANAGEMENT	04.0 CR			
	PREREQ MKTG 363				
1	08.00-09.50	M	COMM	1018	
	08.00-09.50	W	COMM	1006	
439	IND MARKETING MGMT	04.0 CR			
	PREREQ MKTG 363				
1	10.00-11.50	TH	0871	101	ADAMS KENDALL ALFRED
	10.00-11.50	T	WHAM	326	
452	PHYSICAL DIST MGT	04.0 CR			
	PREREQ MKTG 301, ECON 215				
1	01.00-02.50	T TH	WHAM	301B	
2	03.00-04.50	T TH	WHAM	317	
463	ADVERTISING MANAG	04.0 CR			
	PREREQ MKTG 363, MKTG 390				
1	10.00-11.50	M W	CL	24	
2	02.00-03.50	T TH	WHAM	228	
493	MARKETING POLICIES	04.0 CR			
	PREREQ ACCT 261, MKTG 363, 390, PLUS				
	4HRS IN MKTG, SENIOR				
1	03.00-04.50	M W	CL	24	
2	01.00-02.50	M	CL	25	
	01.00-02.50	W	CL	109	

499 UNDERGRAD SEM-MKTG 04.0 CR
 PREREQ 3Y INVITATION - 16 HOURS OF
 MARKETING
 1 02.00-03.50 T TH CL 25 POWELL ANDREW F

Mathematics (MATH)

108 BASIC TRANS MATH 03.0 CR
 PREREQ 3SD 107

1	08.00	T TH S	TECH A	420
2	10.00	M WTH	PHY SA	156
3	11.00	T TH S	ARENA	121
4	12.00	M WTH	TECH A	420
5	01.00	M W F	TECH A	320
6	03.00	M WTH	TECH A	408
7	04.00	M W F	TECH A	408
8	06.00-07.15 PM	T TH	PHY SA	156

111A COL ALGEBRA TRIG 05.0 CR
 PREREQ 3SD 106 CR HS EQUIV

1	08.00	T TH S	TECH D	131
	08.00	M	AG	116
	08.00	F	TECH A	222
2	08.00	MTWTHF	TECH A	322
3	08.00	MTWTHF	PHY SA	156
4	09.00	MTWTHF	TECH A	408
5	09.00	M W F	TECH A	220
	09.00	TH	PHY SA	160
	09.00	T	TECH A	420
6	10.00	T TH S	PHY SC	116
	10.00	W F	AG	116
7	10.00	TW F	PHY SC	218
	10.00	TH	TECH A	322
	10.00	M	TECH A	308
8	11.00	T TH S	TECH A	220
	11.00	W	TECH A	210
	11.00	F	TECH A	208
9	11.00	MTWTHF	TECH A	408
10	12.00	MTWTHF	TECH A	410
11	12.00	MTWTHF	AG	224
12	01.00	MTWTHF	TECH A	322
13	01.00	MTWTHF	BROWN	130
14	02.00	MTWTHF	TECH A	220
15	02.00	MTWTHF	BROWN	130
16	03.00	MTWTHF	ARENA	121
17	03.00	MTWTHF	TECH A	410
18	06.00-07.25 PM	M WTH	TECH A	422
19	06.00-07.25 PM	M WTH	TECH A	308
20	07.35-09.00 PM	M WTH	TECH A	308
21	07.35-09.00 PM	M WTH	TECH A	320

111B COL ALGEBRA TRIG 05.0 CR
 PREREQ MATH 111A

1	08.00	MTWTHF	AG	154
2	08.00	MTWTHF	TECH A	220
3	08.00	M W F	PHY SC	118
	08.00	T TH	TECH A	410
4	08.00	TWTHFS	AG	216
5	09.00	MTWTHF	BROWN	130
6	09.00	TWTHFS	TECH A	210
7	09.00	MTWTHF	AG	168
8	10.00	MTWTHF	PHY SC	118
9	11.00	M W F	TECH A	308
	11.00	T TH	TECH A	208
10	10.00	MTW FS	PHY SC	118
11	11.00	MTW F	PHY SC	218
	11.00	TH	TECH A	322
12	11.00	MTW FS	PHY SA	156
13	11.00	MTWTHF	ARENA	123
14	12.00	MTWTHF	AG	216
15	12.00	MTWTHF	ARENA	121
16	12.00	MTWTHF	TECH A	422
17	01.00	MTWTHF	PHY SC	116
18	03.00	MTWTHF	0720	106

19	01.00	MTWTHF	0875	101
20	02.00	MTWTHF	PHY SA	156
21	02.00	MTW F	PHY SC	118
	02.00	TH	H EC	102
22	02.00	MTWTHF	PHY SC	218
23	03.00	MTWTHF	PHY SA	156
24	03.00	MTWTHF	PHY SC	118
25	03.00	MTWTHF	PHY SC	218
26	04.00	MTWTHF	TECH D	131
27	06.00-07.25 PM	M WTH	TECH A	220
28	06.00-07.25 PM	M WTH	TECH A	320
29	07.35-09.00 PM	M WTH	TECH A	220
30	07.35-09.00 PM	M WTH	TECH A	210
140A	SHORT CRSE-CALCULUS			03.0 CR
	PREREQ MATH 111B			
1	08.00	T TH	TECH A	422
	08.00	F	TECH A	310
2	11.00	M W	TECH A	420
	11.00	F	TECH A	422
3	01.00	MT TH	TECH A	220
4	04.00	M W F	TECH A	410
5	07.35-08.50 PM	T TH	TECH A	408
140B	SHORT CRSE CALCULUS			03.0 CR
	PREREQ MATH 140A			
1	10.00	M W F	0862	101
2	02.00	T THF	TECH A	210
3	04.00	M W F	TECH A	420
4	08.00	M W F	TECH A	320
5	06.00-07.25 PM	M W F	TECH A	408
150A	ELEM CALC-ANAL GEOM			05.0 CR
	PREREQ MATH 111B			
1	08.00	MTWTHF	BROWN	130
2	08.00	MTWTHF	TECH A	408
3	10.00	MTWTHF	TECH D	131
4	11.00	MTWTHF	PHY SA	160
5	12.00	MTWTHF	TECH A	220
6	01.00	MTWTHF	TECH A	210
7	03.00	MTWTHF	AG	216
8	04.00	MTWTHF	TECH A	222
9	06.00-07.25 PM	M WTH	TECH D	131
10	07.35-09.00 PM	M WTH	TECH A	310
150B	ELEM CALC-ANAL GEOM			05.0 CR
	PREREQ MATH 150A			
1	09.00	MTWTHF	TECH D	131
2	10.00	T	TECH A	410
	10.00	M TH	PHY SA	160
	10.00	W F	TECH A	320
3	11.00	MTWTHF	TECH A	410
4	12.00	MTWTHF	TECH D	131
5	02.00	MTWTHF	TECH A	408
6	03.00	MTWTHF	TECH D	131
7	07.35-09.00 PM	M WTH	TECH A	222
159B	ELEM CALCULUS-HONOR			07.0 CR
	PREREQ CONSENT OF DEPT			
1	09.00	MTWTHF	PHY SA	358
252A	INTER CALC-ANAL GEC			05.0 CR
	PREREQ MATH 150B OR 159B			
1	08.00	MTWTHF	TECH A	210
2	11.00	MTWTHF	TECH D	131
3	01.00	MTWTHF	TECH A	410
4	02.00	MTWTHF	TECH A	320
5	06.00-07.25 PM	M WTH	TECH A	322
252B	INTER CALC-ANAL GEC			04.0 CR
	PREREQ MATH 252A			
1	09.00	MTW F	PHY SA	156
2	12.00	MT TH	TECH A	320
	12.00	F	TECH A	310
3	03.00	MT THF	TECH A	420
301	FUNDAMENTAL CONCEPT			03.0 CR
	PREREQ MATH 150B			
1	09.00	M W F	TECH A	122

2	01.00	M W F	TECH A	120
3	03.00	T TH	PHY SA	358
	03.00	F	TECH A	308
305A	MATH PHYS SCIENCES			03.0 CR
	PREREQ	MATH 252B		
1	08.00	M W F	TECH A	410
2	11.00	M W F	TECH A	220
3	02.00	M W F	TECH A	410
305B	MATH PHYS SCIENCES			03.0 CR
	PREREQ	MATH 305A		
1	08.00	M W F	TECH A	420
2	10.00	TW F	PHY SA	160
3	12.00	T THF	TECH A	322
4	04.00	M W F	TECH A	322
310	TEACHING ELEM MATH			04.0 CR
	PREREQ	SSD 107		
1	08.00	MTWTH	WHAM	202
2	11.00	MTWTH	WHAM	202
3	02.00	MTWTH	WHAM	202
4	04.00	MTWTH	WHAM	202
319	INTR-ABSTRACT ALG			03.0 CR
	PREREQ	MATH 301 CR	CONSENT OF DEPT	
1	02.00	T TH	TECH A	322
	02.00	F	TECH A	310
321	ELEM MATRIX ALGEBRA			03.0 CR
	PREREQ	MATH 150A CR 14CB		
1	11.00	T THF	TECH A	420
2	04.00	M W F	TECH A	310
325	INTRO-NUMBER THEORY			03.0 CR
	PREREQ	MATH 301 CR	CONSENT OF DEPARTM ENT	
1	10.00	MT TH	TECH A	320
2	12.00	M W F	TECH A	210
335A	CONCEPTS OF GEOM			03.0 CR
	PREREQ	MATH 252A, 301 CR	CONSENT OF INSTR	
1	09.00	MT TH	TECH A	320
335B	CONCEPTS OF GEOM			03.0 CR
	PREREQ	MATH 335A		
1	03.00	MT TH	TECH A	320
352	INTRO TO ANALYSIS			03.0 CR
	PREREQ	MATH 301 CR	CONSENT OF DEPT	
1	01.00	M	PHY SA	160
	01.00	WTH	TECH A	408
395	READINGS IN MATH			02.0 TO 12.0 CR
	PREREQ	CONSENT OF DEPT		
1	TO BE ARRANGED			
410B	STAT ANALYSIS			04.0 CR
	PREREQ	MATH 410A		
1	10.00	M W F	PHY SB	440
	10.00-11.50	T	TECH A	322
2	10.00	M W F	PHY SB	440
	10.00-11.50	TH	AG	188
3	10.00	M W F	PHY SB	440
	10.00-11.50	TH	PHY SC	218
	SECT 3 FOR PSYCHOLOGY STUDENTS			
419A	ALGEBRAIC STRUCTURE			03.0 CR
	PREREQ	MATH 301		
1	03.00	TW F	TECH A	322
421A	LINEAR ALGEBRA			03.0 CR
	PREREQ	MATH 252B, 301 CR	CONSENT OF DEPT	
1	09.00	T THF	TECH A	410
2	09.00	T TH	TECH A	220
	09.00	F	TECH A	222
421B	LINEAR ALGEBRA			03.0 CR
	PREREQ	MATH 421A		
1	10.00	T THF	TECH A	120
2	01.00	TW F	TECH A	420

426B	MATH LOGIC		03.0 CR
	PREREQ	MATH 426A	
1	11.00	M W F	TECH A 322
428A	BOOL ALG-SWI THEORY		03.0 CR
	PREREQ	301 OR CONSENT OF INSTR	
1	04.00	M W F	TECH A 320
428B	BOOL ALG-SWI THEORY		03.0 CR
	PREREQ	MATH 428A	
1	12.00	M W F	PHY SA 278
433B	INTRO TO TOPOLOGY		03.0 CR
	PREREQ	MATH 433A	
1	02.00	M W F	TECH A 322
452B	ADVANCED CALCULUS		03.0 CR
	PREREQ	MATH 452A	
1	09.00	MT THF	TECH A 322
455B	ADV MATH-PHYS SCI		03.0 CR
	PREREQ	MATH 305B OR CONSENT OF INSTR	
1	12.00	T F	PHY SA 358
	12.00	W	TECH A 122
475B	NUMERICAL ANALYSIS		03.0 CR
	PREREQ	MATH 475A	
1	03.00	M W F	TECH A 120
480B	PROBABILITY		03.0 CR
	PREREQ	MATH 480A	
1	10.00	M W F	TECH A 122
483B	INTRO MATH STAT		03.0 CR
	PREREQ	MATH 483A OR MATH 480A, 421A AND CONSENT OF INSTR	
1	11.00	M W F	AG 188
2	12.00	M W	TECH A 322
	12.00	F	TECH A 222
501B	REAL ANALYSIS		03.0 CR
	PREREQ	MATH 501A	
1	01.00	T THF	TECH A 122
502	ADV TOP ORD DIF EQ		03.0 TO 18.0 CR
	PREREQ	CONSENT OF INSTRUCTOR	
1	10.00-11.50	T TH	PHY SA 358
505B	TH ORDIN DIFF EQUAT		03.0 CR
	PREREQ	MATH 505A	
1	09.00	M W F	TECH B 20
507B	PARTIAL DIFF EQUAT		03.0 CR
	PREREQ	MATH 507A	
1	10.00	M W F	PHY SA 358
512	ADV TOP MATH LOGIC		03.0 CR
	PREREQ	426B OR CONSENT OF INSTR	
1	12.00	MT TH	TECH B 20
520B	MODERN ALGEBRA		03.0 CR
	PREREQ	MATH 520A	
1	03.00	M W F	PHY SA 358
522	ADV TOPICS-ALGEBRA		03.0 CR
	PREREQ	MATH 520B	
1	02.00-03.50	M W	TECH B 20
525	ADV TOP NUMBER THEC		03.0 TO 18.0 CR
	PREREQ	CONSENT OF INSTRUCTOR	
1	09.00	M W F	PHY SC 410
528B	THEORY OF AUTOMATA		03.0 CR
	PREREQ	MATH 528A	
1	04.00	M W F	PHY SA 258
530B	GENERAL TOPOLOGY		03.0 CR
	PREREQ	530A	
1	02.00	T THF	PHY SA 358
531B	ALGEBRAIC TOPOLOGY		03.0 CR
	PREREQ	MATH 531A	
1	02.00	T THF	TECH A 120
532	ADV TOPICS TOPOLOGY		03.0 CR
	PREREQ	MATH 530B	
1	01.00-02.50	M W	PHY SA 358
550E	SP PROJ MATH EDUC		01.0 TO 10.0 CR
	PREREQ	CONSENT OF INSTR	
1	04.00	M	AG 170
2	04.00	W	AG 170

3	04.00	F	AG	170
551B	FUNCTIONAL ANALYSIS			03.0 CR
	PREREQ MATH 551A			
1	01.00	T THF	PHY SA	358
555B	COMPLEX ANALYSIS			03.0 CR
	PREREQ MATH 555A			
1	11.00	M W F	PHY SA	358
560B	CALC OF VARIATIONS			03.0 CR
	PREREQ MATH 560A			
1	12.00	M WTH	PHY SA	358
572	ADV TOP NUMER ANAL			03.0 TO 18.0 CR
	PREREQ CONSENT CF INSTRUCTOR			
1	TO BE ARRANGED			
580B	MATH METH OF STAT			03.0 CR
	PREREQ MATH 580A			
1	10.00	M W F	TECH B	20
595A	SP PROJ ALGEBRA			01.0 TO 10.0 CR
	PREREQ CONSENT CF INSTR			
1	TO BE ARRANGED			
595B	SP PROJ GEOMETRY			01.0 TO 10.0 CR
	PREREQ CONSENT CF INSTR			
1	TO BE ARRANGED			
595C	SP PROJ ANALYSIS			01.0 TO 10.0 CR
	PREREQ CONSENT CF INSTR			
1	TO BE ARRANGED			
595D	SP PROJ PROJ + STAT			01.0 TO 10.0 CR
	PREREQ CONSENT CF INSTR			
1	TO BE ARRANGED			
595E	SP PROJ MATH EDUC			01.0 TO 10.0 CR
	PREREQ CONSENT CF INSTR			
1	TO BE ARRANGED			
595F	SP PROJ LOGIC + FOU			01.0 TO 10.0 CR
	PREREQ CONSENT CF INSTR			
1	TO BE ARRANGED			
595G	SP PROJ TOPOLOGY			01.0 TO 10.0 CR
	PREREQ CONSENT CF INSTR			
1	TO BE ARRANGED			
595H	SP PROJ AP MATH			01.0 TO 10.0 CR
	PREREQ CONSENT CF INSTR			
1	TO BE ARRANGED			
595I	SP PROJ DIF EQUAT			01.0 TO 10.0 CR
	PREREQ CONSENT CF INSTR			
1	TO BE ARRANGED			
595J	SP PROJ NUMBER THEO			01.0 TO 10.0 CR
	PREREQ CONSENT CF INSTR			
1	TO BE ARRANGED			
599	THESIS			01.0 TO 09.0 CR
1	TO BE ARRANGED			
600	DISSERTATION			01.0 TO 15.0 CR
1	TO BE ARRANGED			

Microbiology (MICR)

301	PRIN-MICROBIOLOGY			05.0 CR
	PREREQ 1 YR OF COLLEGE CHEM AND GSA 2			
	01A OR EQUIV			
1	08.00	MTWTH	LS I	16
	09.00-10.50	M W	LS I	6
	09.00	F	LS I	6
2	08.00	MTWTH	LS I	16
	11.00-12.50	M W	LS I	6
	11.00	F	LS I	6
3	08.00	MTWTH	LS I	16
	01.00-02.50	M W	LS I	6
	08.00	F	LS I	6
4	08.00	MTWTH	LS I	16
	03.00-04.50	M W	LS I	6
	10.00	F	LS I	6
5	08.00	MTWTH	LS I	16
	06.00-07.50 PM	M W	LS I	6
	12.00	F	LS I	6

390	UNDERGRAD RES PART	02.0 TO 05.0 CR			
	PREREQ 4.00 GPA IN MICR AND CONSENT OF DEPARTMENT				
1	TO BE ARRANGED				
423	INDUS FERMENTATIONS	03.0 CR			
	PREREQ MICR 301 AND ORGANIC CHEM				
1	02.00 MTW	LS I	16		
451	IMMUNOLOGY--LECTURE	03.0 CR			
	PREREQ MICR 302				
1	09.00 M W F	LS I	16		SHECHMEISTER ISAAC L
452	IMMUNOLOGY--LAB	03.0 CR			
	PREREQ PREVIOUS CR CONCURRENT ENROLLMENT IN MICR 451				
1	09.00-11.50 T TH	LS I	6		
2	09.00-11.50 T TH	LS I	8		
460	GEN-BACT+VIRUS LECT	03.0 CR			
	PREREQ MICR 302				
1	01.00 MTW	LS II	430		ROUHANDEH HASSAN
461	GEN-BACT+VIRUS LAB	03.0 CR			
	PREREQ PREVIOUS CR CONCURRENT ENROLLMENT IN MICR 460				
1	03.00-04.50 T TH	LS I	6		
500	SEMINAR	01.0 CR			
1	TO BE ARRANGED				
511	RESEARCH	01.0 TO 15.0 CR			
1	TO BE ARRANGED				
525	BIOCHM PHSL MICRO	03.0 CR			
	PREREQ MICR 425				
1	10.00 M W TH	LS I	16		GGUR MAURICE
526	BIOCHM PHSL-MICROCR	03.0 CR			
	PREREQ MICR 426				
1	01.00-05.50 TH	LS I	8		
528	READINGS IN MICRO	01.0 TO 10.0 CR			
1	TO BE ARRANGED				
562	MOLECULAR GENETICS	03.0 CR			
	PREREQ MICR 425				
1	08.00 M W F	LS II	430		GILMORE RICHARD
599	THESIS	03.0 TO 09.0 CR			
1	TO BE ARRANGED				
600	DISSERTATION	03.0 TO 48.0 CR			
1	TO BE ARRANGED				

Music (MUS)

001B	SYMPHONIC BAND	01.0 CR			
	PREREQ CONSENT OF INSTRUCTOR				
1	02.00 M W F	ALTG	114		KOENIGSTEIN NICHOLAS
001C	STAGE BAND	01.0 CR			
	PREREQ AUDITION				
1	07.00-09.30 TH	ALTG	114		STIMAN HAROLD E
2	05.30-07.00 W	ALTG	114		LEMASTERS DONALD D
3	07.00-09.00 PM W	ALTG	114		LEMASTERS
001D	LABORATORY BAND	01.0 CR			
	PREREQ CONSENT OF INSTRUCTOR				
1	07.00-09.00 PM M	ALTG	114		HANES
001E	WIND ENSEMBLE	01.0 CR			
	PREREQ AUDITION				
1	03.00-04.30 T TH	ALTG	114		SIENER MELVIN L
002A	UNIVERSITY CHOIR	01.0 CR			
	PREREQ AUDITION				
1	04.00-05.30 T TH	ALTG	115		KINGSBURY ROBERT W
002B	UNIVERSITY SINGERS	01.0 CR			
1	07.30-09.45 PM M	H EC	140B		KINGSBURY ROBERT W
	CLASS ALSO MEETS IN ALTG 115 + 116				
002C	MALE GLEE CLUB	01.0 CR			
	PREREQ AUDITION				
1	08.00-09.30 PM T TH	ALTG	115		KINGSBURY ROBERT W
002D	WOMEN-CHORAL ENSEM	01.0 CR			
	PREREQ AUDITION				
1	03.00 M W	ALTG	115		TAYLOR CHARLES C
	03.00 F	ALTG	116		TAYLOR CHARLES C

002E	ANGEL FLT ANGELAIRE		01.0 CR		
	PREREQ	MEMBERSHIP IN S.I.U. ANGEL			
		FLIGHT			
1	07.30-09.00 PM	T TH	ALTG	248	TAYLOR CHARLES C
003A	UNIVERSITY ORCHESTR		01.0 CR		
	PREREQ	CONSENT OF INSTRUCTOR			
1	03.00-04.30	M W F	ALTG	114	STROUD JAMES H
003B	CHAMBER ORCHESTRA		01.0 CR		
	PREREQ	AUDITION			
1	TO BE ARRANGED				STRAWN RICHARD G
010A	CLASS APP-STRINGS		01.0 CR		
	PREREQ	CONC, SEC CONC MUS,ELED,EARLY			
		CHILDHOOD,CR CCNS INST			
1	09.00	T TH	0555	7	POULOS + STROUD
2	09.00	T TH	ALTG	301	STRAWN
010B	CLASS APP-WOODWINDS		01.0 CR		
	PREREQ	CONC, SEC CONC MUS,ELED,EARLY			
		CHILDHOOD,CR CCNS INST			
1	08.00	T TH	0BF	205	INTRAVIA + RESNICK
2	08.00	T TH	0BF	7	HUSSEY
3	08.00	T TH	ALTG	301	INTRAVAIA
010C	CLASS APP-BRASS		01.0 CR		
	PREREQ	CONC,SEC CCNC MUS,ELED,EARLY			
		CHILDHOOD,CR CCNS INST			
1	11.00	T TH	ALTG	114	STIMAN + LEMASTERS
2	11.00	T TH	0BF	7	KOENIGSTEIN
010D	CLASS APP-PERCUSS		01.0 CR		
	PREREQ	CONC, SEC CONC MUS,ELED,EARLY			
		CHILDHOOD,CR CCNS INST			
1	10.00	T TH	ALTG	114	HANES MICHAEL
010E	CLASS APP-PIANO		01.0 CR		
	PREREQ	CONC, SEC CONC MUS,ELED,EARLY			
		CHILDHOOD,CR CCNS INST			
1	09.00	T TH	0555	201	FRAZEE
KP 1					
2	10.00	M W	0555	201	FRAZEE
KP 2					
3	10.00	T F	0555	201	FRAZEE
KP 3					
4	11.00	M W	ALTG	301	HARTLINE ELISABETH D
MM2					
5	11.00	T F	ALTG	301	HARTLINE ELISABETH D
MM5					
6	12.00	M W	ALTG	301	HARTLINE ELISABETH D
MM2					
7	12.00	M W	ALTG	301	HARTLINE
MM6					
8	01.00	T F	ALTG	301	HARTLINE ELISABETH D
MM3					
9	01.00	M W	ALTG	301	HARTLINE
MM4					
10	02.00	T F	ALTG	301	HARTLINE ELISABETH D
MM5					
11	02.00	M W	ALTG	301	HARTLINE ELISABETH D
MM1					
12	03.00	M W	0555	201	FRAZEE
KP2					
13	03.00	T F	0555	201	FRAZEE
KP3					
010F	CLASS APP-VOICE		01.0 CR		
	PREREQ	CONC, SEC CONC MUS,ELED,EARLY			
		CHILDHOOD,CR CCNS INST			
1	10.00	T TH	ALTG	248	KAGEFF BURT KEITH
MM1					
2	01.00	T TH	ALTG	248	KAGEFF BURT KEITH
MM2					
3	02.00	T TH	ALTG	248	KAGEFF
MM3					
010G	CLASS APP-GUITAR		01.0 CR		
	PREREQ	CONC, SEC CONC MUS,ELED,EARLY			
		CHILDHOOD,CR CCND INST			

1	10.00	T TH	0555	7	COLTUN
2	12.00	T TH	0555	7	COLTUN
105A	THEORY OF MUSIC		04.0 CR		
1	09.00	MTWTF	ALTG	248	HUSSEY GEORGE A
105B	THEORY OF MUSIC		04.0 CR		
	PREREQ MUS 105A				
1	08.00	MTWTF	ALTG	106	WEBB MARY ANN V
2	08.00	MTWTF	ALTG	248	BARRUS
3	09.00	MTWTF	ALTG	106	WERNER
4	09.00	MTWTF	ALTG	116	GRIZZELL MARY JANE
106	SURVEY OF MUS LIT		03.0 CR		
	PREREQ MAJOR/MINOR IN MUSIC				
1	01.00	M W F	ALTG	106	FLOYD SAMUEL
140A	PRIV APP MJS-VIOLIN		01.0 TO 04.0 CR		
	PREREQ MUS CONC OR SECONDARY CONC OR				
	CONSENT OF MUS FACULTY				
1	10.00	M	ALTG	106	POULOS HELEN E
	TO BE ARRANGED				
2	10.00	M	ALTG	106	STRAWN RICHARD G
	TO BE ARRANGED				
3	10.00	M	ALTG	106	WHARTON JOHN S
	TO BE ARRANGED				
	RESTRICTED-SEE NOTE BELOW				
140B	PRIV APP MJS-VIOLA		01.0 TO 04.0 CR		
	PREREQ MUS CONC OR SECONDARY CONC OR				
	CONSENT OF MUS FACULTY				
1	10.00	M	ALTG	106	BARRUS 00060110
	TO BE ARRANGED				
	RESTRICTED-SEE NOTE BELOW				
140C	PRIV APP MJS-CELLO		01.0 TO 04.0 CR		
	PREREQ MUS CONC OR SECONDARY CONC OR				
	CONSENT OF MUS FACULTY				
1	10.00	M	ALTG	106	STROUD JAMES H
	TO BE ARRANGED				
	RESTRICTED-SEE NOTE BELOW				
140D	PRIV APP MJS - BASS		01.0 TO 04.0 CR		
	PREREQ MUS CONC OR SECONDARY CONC OR				
	CONSENT OF MUS FACULTY				
1	10.00	M	ALTG	106	BRANCH LONDON E
	TO BE ARRANGED				
	RESTRICTED-SEE NOTE BELOW				
140E	PRIV APP MJS-FLUTE		01.0 TO 04.0 CR		
	PREREQ MUS CONC OR SECONDARY CONC OR				
	CONSENT OF MUS FACULTY				
1	10.00	M	OBF	7	RESNICK ROBERT S
	TO BE ARRANGED				
2	10.00	M	OBF	7	BOTTJE WILL G
	TO BE ARRANGED				
	RESTRICTED-SEE NOTE BELOW				
140F	PRIV APP MJS-OBOE		01.0 TO 04.0 CR		
	PREREQ MUS CONC OR SECONDARY CONC OR				
	CONSENT OF MUS FACULTY				
1	10.00	M	OBF	7	HUSSEY GEORGE A
	TO BE ARRANGED				
	RESTRICTED-SEE NOTE BELOW				
140G	PRIV APP MJS-CLAR		01.0 TO 04.0 CR		
	PREREQ MUS CONC OR SECONDARY CONC OR				
	CONSENT OF MUS FACULTY				
1	10.00	M	OBF	7	RESNICK ROBERT S
	TO BE ARRANGED				
2	10.00	M	OBF	7	INTRAVAIA LAWRENCE J
	TO BE ARRANGED				
	RESTRICTED-SEE NOTE BELOW				
140H	PRIV APP MJS-BASSON		01.0 TO 04.0 CR		
	PREREQ MUS CONC OR SECONDARY CONC OR				
	CONSENT OF MUS FACULTY				
1	10.00	M	OBF	7	INTRAVAIA LAWRENCE J
	TO BE ARRANGED				
	RESTRICTED-SEE NOTE BELOW				

140I	PRIV APP	MJS-SAX	01.0 TO 04.0 CR			
	PREREQ	MUS CONC CR SECONDARY CONC OR				
		CONSENT OF MUS FACULTY				
1	10.00	M	DBF	7	RESNICK ROBERT S	
	TO BE ARRANGED					
2	10.00	M	DBF	7	HUSSEY GEORGE A	
	TO BE ARRANGED					
3	10.00	M	DBF	7	INTRAVIA	
	TO BE ARRANGED					
	RESTRICTED-SEE NOTE BELOW					
140J	PRIV APP	MJS-PERCUS	01.0 TO 04.0 CR			
	PREREQ	MUS CONC CR SECONDARY CONC OR				
		CONSENT OF MUS FACULTY				
1	10.00	M	ALTG	114	HANES	
	TO BE ARRANGED					
	RESTRICTED-SEE NOTE BELOW					
140K	PRIV APP	MJS-PIANO	01.0 TO 04.0 CR			
	PREREQ	MUS CONC CR SECONDARY CONC OR				
		CONSENT OF MUS FACULTY				
1	10.00	M	SHRY	110	GRIZZELL MARY JANE	
	TO BE ARRANGED					
2	10.00	M	SHRY	110	KIDD	
	TO BE ARRANGED					
3	10.00	M	SHRY	110	BARWICK STEVEN	
	TO BE ARRANGED					
4	10.00	M	SHRY	110	MUELLER ROBERT E	
	TO BE ARRANGED					
5	10.00	M	SHRY	110	WERNER WARREN KENT	
	TO BE ARRANGED					
	RESTRICTED-SEE NOTE BELOW					
6	10.00	M	SHRY	110	DENKER	
	TO BE ARRANGED					
140L	PRIV APP	MJS-F HORN	01.0 TO 04.0 CR			
	PREREQ	MUS CONC CR SECONDARY CONC OR				
		CONSENT OF MUS FACULTY				
1	10.00	M	ALTG	116	NADAF GEORGE	
	TO BE ARRANGED					
	RESTRICTED-SEE NOTE BELOW					
140M	PRIV APP	MJS-TRUMP	01.0 TO 04.0 CR			
	PREREQ	MUS CONC CR SECONDARY CONC OR				
		CONSENT OF MUS FACULTY				
1	10.00	M	ALTG	116	LEMASTERS DONALD D	
	TO BE ARRANGED					
2	10.00	M	ALTG	116	OLSSON PHILLIP H	
	TO BE ARRANGED					
	RESTRICTED-SEE NOTE BELOW					
140N	PRIV APP	MJS-TRBONE	01.0 TO 04.0 CR			
	PREREQ	MUS CONC CR SECONDARY CONC OR				
		CONSENT OF MUS FACULTY				
1	10.00	M	ALTG	116	STIMAN HAROLD E	
	TO BE ARRANGED					
	RESTRICTED-SEE NOTE BELOW					
140O	PRIV APP	MJS-TUBA	01.0 TO 04.0 CR			
	PREREQ	MUS CONC CR SECONDARY CONC OR				
		CONSENT OF MUS FACULTY				
1	10.00	M	ALTG	116	STIMAN HAROLD E	
	TO BE ARRANGED					
	RESTRICTED-SEE NOTE BELOW					
140P	PRIV APP	MJS-BATONE	01.0 TO 04.0 CR			
	PREREQ	MUS CONC CR SECONDARY CONC OR				
		CONSENT OF MUS FACULTY				
1	10.00	M	ALTG	116	STIMAN HAROLD E	
	TO BE ARRANGED					
	RESTRICTED-SEE NOTE BELOW					
140Q	PRIV APP	MJS-VOICE	01.0 TO 04.0 CR			
	PREREQ	MUS CONC CR SECONDARY CONC OR				
		CONSENT OF MUS FACULTY				
1	TO BE ARRANGED				KAGEFF BURT KEITH	
	10.00	M	ALTG	115		
2	TO BE ARRANGED				TAYLOR WILLIAM KLETT	
	10.00	M	ALTG	115		

3	TO BE ARRANGED	M	ALTG	115	LAWRENCE MARJORIE
4	TO BE ARRANGED	M	ALTG	115	WALLACE MARY ELAINE
140R	PRIV APP MUS-ORGAN	01.0 TO 04.0 CR			
	PREREQ MUS CONC CR SECNDARY CONC OR				
	CONSENT OF MUS FACULTY				
1	10.00	M	DBF	101	WEBB MARY ANN V
	TO BE ARRANGED				
	RESTRICTED-SEE NOTE BELOW				
140S	PRIV APP MUS-HARPCH	01.0 TO 04.0 CR			
	PREREQ MUS CONC CR SECNDARY CONC OR				
	CONSENT OF MUS FACULTY				
1	TO BE ARRANGED				OLDFIELD
	10.00	M	0812	107	
	RESTRICTED-SEE NOTE BELOW				
200	FUNDAMENTALS-MUSIC		03.0 CR		
1	12.00	M W	ALTG	115	POULOS HELEN E
	12.00	TH	DBF	201	
2	12.00	M W	ALTG	115	POULOS
	12.00	F	DBF	201	
3	01.00	M W	ALTG	248	PAGE
	01.00	TH	DBF	201	
4	01.00	M W	ALTG	248	PAGE
	01.00	F	DBF	201	
5	02.00	M W	ALTG	248	PAGE
	02.00	TH	DBF	201	
6	02.00	M W	ALTG	248	PAGE
	02.00	F	DBF	201	
205B	THORY OF MUSIC		03.0 CR		
	PREREQ 205A				
1	11.00	MTWTHF	ALTG	106	OLDFIELD
2	11.00	MTWTHF	ALTG	248	MUELLER ROBERT E
3	11.00	MTWTHF	ALTG	116	DENKER
240	PRIV APP MUS	01.0 TO 04.0 CR			
	PREREQ 3 QTRS AT PREVIOUS LEVEL ON				
	SAME INSTR OR CCNSENT				
	(SEE MUSIC 140 FOR LISTING)				
300B	EL METH-NOV MAJ 4-6		03.0 CR		
	PREREQ MUS 200-3 CR EQUIV				
1	12.00	M W F	ALTG	248	MCHUGH CATHERINE
300C	EL METH-NOV MAJ K-3		03.0 CR		
	PREREQ MUS 01CE-3 OR EQUIV				
1	10.00	M W F	ALTG	248	MCHUGH CATHERINE
302B	MUS IN EAR CHLDHOOD		03.0 CR		
	PREREQ 1 QTR CLASS PIANO OR EQUIV-NOV				
	-MUS CONC ONLY				
1	03.00	M W F	ALTG	248	MCHUGH
305V	VOCAL PROB+METH /P/		03.0 CR		
1	01.00	M W F	ALTG	106	TAYLOR CHARLES C
309A	ARRANGING		02.0 CR		
	PREREQ 105C				
1	11.00	T TH	ALTG	115	KUENIGSTEIN
309B	ARRANGING		02.0 CR		
	PREREQ 309A				
1	12.00	T TH	ALTG	106	INTRAVAIA
312A	COMPOSITION		02.0 CR		
	PREREQ 205C				
1	TO BE ARRANGED				OLDFIELD
312B	COMPOSITION		02.0 CR		
	PREREQ 312A				
1	TO BE ARRANGED				OLDFIELD WILLARD A
318A	CONDUCTING		02.0 CR		
1	12.00	T TH	ALTG	248	STROUD
2	12.00	T TH	ALTG	115	KUENIGSTEIN
318B	CONDUCTING		02.0 CR		
	PREREQ 318A				
1	02.00	M W	ALTG	115	KINGSBURY
326B	ANALYSIS		02.0 CR		
	PREREQ 326A				
1	02.00	T TH	ALTG	106	BOTTJE WILL G

340	PRIV APP MJS	01.0 TO 04.0 CR			
	PREREQ 3 QTRS AT PREVIOUS LEVEL ON				
	SAME INSTR OR CONSENT				
	(SEE MUSIC 140 FOR LISTING)				
341	ACCOMPANYING LAB	01.0 CR			
1	TO BE ARRANGED				FRAZEE
346	OPERA WORKSHOP	02.0 TO 36.0 CR			
1	03.00 T TH ALTG 115				LAWRENCE MARJORIE
	03.00-04.50 F ALTG 115				LAWRENCE MARJORIE
	07.00-10.00 PM WTH ALTG 116				LAWRENCE MARJORIE
357B	MUSIC HIST + LIT	03.0 CR			
	PREREQ MUS 105C CR CONSENT OF INSTRUCTOR				
1	10.00 TWTHF ALTG 116				KIDD
2	10.00 T TH ALTG 116				KIDD
	02.00 T TH ALTG 116				
3	10.00 T TH ALTG 116				KIDD
	02.00 W F ALTG 116				
365A	CHAMBER MUS-VOCAL	01.0 CR			
1	04.00 M W ALTG 115				KINGSBURY ROBERT W
2	07.00-09.00 PM M PULL 42				LAWRENCE
365B	CHAMBER MUS-STRING	01.0 CR			
1	03.00 T TH ALTG 301				POULOS
2	TO BE ARRANGED				STRAWN
365C	CHAMBER MUS-WOODWIND	01.0 CR			
1	TO BE ARRANGED				HUSSEY
2	TO BE ARRANGED				RESNICK
365D	CHAMBER MUS-BRASS	01.0 CR			
1	07.00-08.30 PM T ALTG 114				NADAF
2	TO BE ARRANGED				KOENIGSTEIN
365E	CHAMBER MUS-PERCUSS	01.0 CR			
1	TO BE ARRANGED				HANES
405	SEM-INSTRUM MUS ED	03.0 CR			
	PREREQ MUS 305I				
1	TO BE ARRANGED				INTRAVIAH
409	BAND ARRANGING	02.0 CR			
	PREREQ MUS 309A CR EQUIV				
1	10.00 W F ALTG 115				INTRAVIA
411C	CHORAL LITERATURE	03.0 CR			
1	02.00 M W F ALTG 106				BARWICK
414	COLLEGIUM MUSICUM	02.0 TO 06.0 CR			
	PREREQ MUSIC CONCENTRATION AND/OR				
	CONSENT OF DEPARTMENT				
1	01.00 T TH ALTG 115				
	07.00-09.00 PM M 0812 107				EDDINS
430	STAGE BAND ARRANGNG	02.0 CR			
	PREREQ 309A				
1	TO BE ARRANGED				STIMAN
440	PRIV APP MJS	01.0 TO 04.0 CR			
	PREREQ 3 QTRS AT PREVIOUS LEVEL ON				
	SAME INSTR OR CONSENT				
	(SEE MUSIC 140 FOR LISTING)				
441B	COUNTERPOINT	02.0 CR			
	PREREQ 105C				
1	01.00 T TH ALTG 106				WERNER
444A	INTERMEDIATE COMP	02.0 CR			
	PREREQ 312C AND CONSENT OF DEPARTMENT				
1	TO BE ARRANGED				OLDFIELD
444B	INTERMEDIATE COMP	02.0 CR			
	PREREQ 444A				
1	TO BE ARRANGED				OLDFIELD
461	TEACH TECH AND MAT	02.0 CR			
1	02.00 M F ALTG 115				GRIZZELL + KAGEFF
468	MUSIC PRODUCTIONS	02.0 TO 12.0 CR			
1	01.00 T F SHRY 110				WALLACE
471B	ETHNOMUSICOLOGY	03.0 CR			
	PREREQ 35B 102A-4, ANTH 275D-4 OR CON				
	SENT OF INSTRUCTOR				
1	07.00-09.30 PM T ALTG 106				MARING

481	READINGS IN THEORY	02.0 TO 06.0 CR			
1	TO BE ARRANGED				MUELLER ROBERT E
482	READ IN HIST + LIT	02.0 TO 06.0 CR			
1	TO BE ARRANGED				DENKER
483	READ IN MUS EDUC	02.0 TO 06.0 CR			
1	TO BE ARRANGED				GORDON
499	INDEPENDENT STUDY	01.0 TO 12.0 CR			
	PREREQ CONSENT CF INSTRUCTOR				
1	TO BE ARRANGED				GORDON
502B	ANALYTIC TECHNIQUES	02.0 CR			
	PREREQ MUS 502A				
1	02.00	T TH	ALTG	106	MUELLER ROBERT E
506	CLASSICAL MUSIC			03.0 CR	
1	10.00	TW F	ALTG	106	BARWICK
509	HIST + PHIL MUS ED			03.0 CR	
1	03.00	M W F	ALTG	106	GORDON
531	ADV COMPOSITION	02.0 TO 09.0 CR			
	PREREQ 312C, 342C, AND CONSENT OF INSTRUCTOR				
1	TO BE ARRANGED				BOTTJE WILL G
540	PRIV APP MJS	01.0 TO 04.0 CR			
	PREREQ 3 QTRS AT PREVIOUS LEVEL ON SAME INSTR OR CONSENT				
(SEE MUSIC 140 FOR LISTING)					
545	PEDAGOGY-MJS THEORY	03.0 TO 09.0 CR			
1	12.00	M W F	ALTG	106	MUELLER ROBERT E
546	MUSICAL AESTHETICS			03.0 CR	
1	07.00-09.30 PM	M		ALTG 106	FLOYD
556	ADV CONDUCTING	02.0 TO 06.0 CR			
1	01.00	T	ALTG	115	KINGSBURY ROBERT W
2	TO BE ARRANGED				STROUD
3	TO BE ARRANGED				SIENER
566	INST ENSEMBLE	01.0 TO 12.0 CR			
1	TO BE ARRANGED				SIENER
2	TO BE ARRANGED				STROUD
567	VOCAL ENSEMBLE	01.0 TO 12.0 CR			
1	TO BE ARRANGED				KINGSBURY
568	OPERA WORKSHOP	02.0 TO 12.0 CR			
1	03.00	T TH	ALTG	115	LAWRENCE MARJORIE
	03.00-04.50	F	ALTG	115	LAWRENCE MARJORIE
	07.00-12.00 PM	WTH	ALTG	116	LAWRENCE MARJORIE
598	GRADUATE RECITAL	06.0 CR			
1	TO BE ARRANGED				GORDON
599	THESIS	03.0 TO 09.0 CR			
1	TO BE ARRANGED				GORDON RODERICK D

Music 140, 240, 340, 440:

All registrants should be entered on rosters kept by Mr. Wharton and their cards should bear his signature.

Philosophy (PHIL)

340	ETHICAL THEORIES	04.0 CR			
1	03.00	MTWTH	H EC	201	HOWIE
345	BLACK SOCIAL PHIL			03.0 CR	
	PREREQ JR STANDING OR PERMISSION OF DEPT				
1	03.00	T TH	H EC	203	ALLEN DOUGLAS M
	03.00	F	H EC	206	
400	CONTEMPORARY MIND			04.0 CR	
1	07.00-09.30 PM	M	H EC	206	SCHILPP
425	PHIL OF LANGUAGE			03.0 CR	
	PREREQ CONSENT CF DEPT				
1	02.00	M W F	H EC	203	CLARKE
474B	19TH CENTURY PHIL			04.0 CR	
	PREREQ 306 OR CONSENT CF DEPT				
1	02.00-03.50	M W	H EC	120	LEYS
490	SPECIAL PROBLEMS	02.0 TO 12.0 CR			
	PREREQ CONSENT OF INST REQ IN ALL CASES				

1	TO BE ARRANGED					HAHN LEWIS EDWIN
2	07.00-09.30 PM	TH	H EC	211		MCKENZIE
	PRE-SOCRATICS					
497B	HONORS			04.0 CR		
	PREREQ 497A					
1	04.00-05.30	W	H EC	211		GILLAN
501	PHIL OF RELIGION			04.0 CR		
1	07.00-09.30 PM	T	H EC	208		HOWIE
511	CHINESE PHILOSOPHY			04.0 CR		
1	04.00-05.30	F	H EC	211		LIU
515	THEORY OF NATURE			04.0 CR		
1	04.00-06.30	W	H EC	208		DIEFENBECK
524	ANALYTIC PHIL			04.0 CR		
1	04.00-05.30	T	H EC	208		EAMES
530	THEORY OF KNOWLEDGE			04.0 CR		
1	04.00-05.30	W	H EC	211		MCCLURE GEORGE T
550	THEORY OF VALUE			04.0 CR		
1	04.00-05.30	W	H EC	211		FRONCIZI
575B	PHENOMEN+EXIST PHIL			04.0 CR		
1	07.00-09.30 PM	M	H EC	211		GILLAN
577B	DEWEY			04.0 CR		
1	07.00-09.30 PM	M	H EC	208		EAMES
586	SPINOZA			04.0 CR		
1	07.00-09.30 PM	W	H EC	208		PLOCHMANN
587	HEGAL			04.0 CR		
1	07.00-09.30 PM	T	H EC	211		HOWARD
590	GEN GRAD SEMINAR		02.0 TO 12.0 CR			
1	TO BE ARRANGED					HAHN LEWIS EDWIN
591	READINGS IN PHIL		01.0 TO 05.0 CR			
	PREREQ CONSENT OF INSTR					
1	TO BE ARRANGED					HAHN LEWIS EDWIN
599	THESIS		02.0 TO 09.0 CR			
1	TO BE ARRANGED					HAHN LEWIS EDWIN
600	DISSERTATION		03.0 TO 48.0 CR			
1	TO BE ARRANGED					HAHN LEWIS EDWIN

Physical Education for Men (PEM)

100A	M TEACH SWIMMING			01.0 CR		
	PREREQ IF NCNSWIMMER--AUDIT GSE 100A					
	BEG SWIM					
1	08.00-08.40	M W F	PULL	11		ESSICK RAYMOND B
2	08.40-09.20	M W F	PULL	11		ESSICK RAYMOND B
3	09.20-10.00	M W F	PULL	11		ESSICK RAYMOND B
100E	M TCH BASIC RHYTHMS			01.0 CR		
1	08.00	M W F	AREVA	555		FRANKLIN C C JR
2	09.00	M W F	AREVA	555		FRANKLIN C C JR
100F	M TCH EXER-FITNESS			01.0 CR		
1	10.00		F	AREVA	555	
	10.00	M		AREVA	121	
2	02.00		F	AREVA	555	
	02.00	M		AREVA	121	
3	02.00-03.30	T TH	PULL	102		GOOD
100H	M TEACH BASKETBALL			02.0 CR		
1	11.00	MTW F	AREVA	555		HOLDER LYNN C
100K	M TEACH GYMNASTICS			02.0 CR		
1	09.00	MTWTH	AREVA	555		MEADE WILLIAM T
2	10.00	MTWTH	AREVA	555		MEADE WILLIAM T
100M	M TEACH WRESTLING			02.0 CR		
1	08.00	M W	AREVA	125		LONG LINN L
	08.00	T TH	AREVA	555		LONG LINN L
2	09.00	M W	AREVA	123		LONG LINN L
	09.00	T TH	AREVA	555		LONG LINN L
101	ORIENT-PRACT P E			02.0 CR		
1	01.00	M W	AREVA	123		MARTIN MORRIS GLENN
2	01.00	T TH	AREVA	123		MARTIN MORRIS GLENN
171	VARSITY BASKETBALL			02.0 CR		
1	03.00	MTWTHF	AREVA	555		LAMBERT
174	VARSITY GYMNASTICS			02.0 CR		
1	03.00	MTWTHF	AREVA	555		MEADE WILLIAM T
177	VARSITY SWIMMING			02.0 CR		
1	04.00	MTWTHF	PULL	11		ESSICK RAYMOND B

179	VARSITY WRESTLING		02.0 CR		
1	03.00	MTWTHF	ARENA 555	LONG LINN L	
303	KINESIOLOGY		05.0 CR		
	PREREQ PHSL 300				
1	11.00	MTWTHF	LAWSON 121	GOOD LARRY	
305	PE - ATYPICAL STUD		02.0 CR		
	PREREQ PHSL 300				
1	10.00	T TH	ARENA 125	GREENE NORMAN C	
317	LIFE SAV+WATER SAFE		01.0 CR		
1	02.00-03.50	T TH	GYM 114	COOPER CAROL	
320	PHSL MUSCULAR ACT		04.0 CR		
	PREREQ GSA 301				
1	02.00	MTWTH	ARENA 125	KNOWLTON RONALD G	
	PREREQ GSA 301 UNDERGRADUATES ONLY				
330A	TH BASKETBALL COACH		02.0 CR		
	PREREQ 100H				
1	10.00	T TH	ARENA 121	LAMBERT	
331B	TH BASEBALL COACH		02.0 CR		
	PREREQ 100I				
1	09.00	T TH	ARENA 125	JONES RICHARD C	
331F	TH GYMNASTIC COACH		02.0 CR		
	PREREQ 100K				
1	08.00	T TH	ARENA 121		
341	PRIN OF P E		03.0 CR		
	PREREQ SENIOR STANDING				
1	09.00	M W F	ARENA 125	SHEA EDWARD J	
2	03.00	M WTH	ARENA 125	CARROLL	
350	M-M TEACH PE EL SCH		03.0 CR		
1	09.00	TH	ARENA 123	FRANKLIN C C JR	
	10.00	M W	ARENA 125	FRANKLIN C C JR	
	10.00	TH	ARENA 119	FRANKLIN C C JR	
354	ORG-ADM PHY ED-ATHL		03.0 CR		
1	12.00	M W F	ARENA 123	STOTLAR JOHN W	
355	ASSISTING TECH		02.0 CR		
1	06.00	PM M	ARENA 125	WILKINSON JAMES J	
	LAB TO BE ARRANGED				
2	08.00-08.20	F	ARENA 125	WILKINSON JAMES J	
	LAB TO BE ARRANGED				
370	TESTS MEAS PHY EC		04.0 CR		
1	01.00	MTWTH	ARENA 125	CARROLL	
376	CARE-PREV ATH INJ		03.0 CR		
	PREREQ PHSL 300				
1	12.00	MTWTH	ARENA 125	SPACKMAN ROBERT R JR	
2	08.00	MTWTH	ARENA 123		
400	EVALUATION IN P E		04.0 CR		
1	07.00-09.30 PM	W	GYM 204	WEST CHARLOTTE	
	CROSSLISTED WITH PEW 400				
406	BASIC CONCEPTS P E		04.0 CR		
1	07.00-09.30 PM	T	ARENA 125	SHEA EDWARD J	
	CROSSLISTED WITH PEW				
408	PHY FIT RLE-APPL EC	02.0 TO 04.0 CR			
1	07.00-09.30 PM	TH	ARENA 125	ACKERMAN KENNETH J	
	CROSSLISTED WITH PEW 408				
420	EFFECTS MOTOR ACTIV		04.0 CR		
1	07.00-09.30 PM	W	ARENA 125		
475A	IND RES-DANCE	02.0 TO 04.0 CR			
1	TO BE ARRANGED				
475B	IND RES-KINESIOLOGY	02.0 TO 04.0 CR			
1	TO BE ARRANGED				
475C	IND RES-MEASUREMENT	02.0 TO 04.0 CR			
1	TO BE ARRANGED				
475D	IND RES-MOTOR DEVEL	02.0 TO 04.0 CR			
1	TO BE ARRANGED				
475E	IND RES-PHSL OF EX	02.0 TO 04.0 CR			
1	TO BE ARRANGED			KNOWLTON RONALD G	
475F	IND RES-HIST + PHIL	02.0 TO 04.0 CR			
1	TO BE ARRANGED				
	CROSSLISTED WITH PEW 502				
504	RESEARCH PROJECTS		04.0 CR		
	PREREQ 500				
1	TO BE ARRANGED			WILKINSON JAMES J	

513	MOTOR LRNG-PHY SKIL	04.0 CR	
	PREREQ GRAD STATUS, CCNSENT OF INSTR		
1	07.00-09.30 PM M	GYM	204
525	READING IN P E	01.0 TO 06.0 CR	
1	TO BE ARRANGED		SHEA
599	THESIS	01.0 TO 09.0 CR	
1	TO BE ARRANGED		KNOWLTON RONALD G
600	DISSERTATION	02.0 TO 48.0 CR	
1	TO BE ARRANGED		SHEA EDWARD J

Physical Education for Women (PEW)

113	FUND OF BODY MOVE	01.0 CR	
1	11.00 M W F	GYM	207 BRECHTELSBAUER KAY
2	02.00 M W F	GYM	207 WOOD SHIRLEY JEAN
3	03.00 M W F	GYM	207
224	BASKETBALL	01.0 CR	
1	10.00-11.30 T TH	GYM	207 THORPE JOANNE LEE
2	11.00-12.50 T TH	GYM	207 THORPE JOANNE LEE
230B	INTERMED+ADV BALLET	02.0 TO 22.0 CR	
	PREREQ PEW 230A CR CCNSENT OF INSTR		
1	04.00-05.30 M W	0813	101 DAVIDSON ELLEVA J
	04.00 F	0813	101
	CROSSLISTED WITH THEATRE 230		
240	THEO-TECH CONT DNCF	02.0 TO 24.0 CR	
1	10.00-11.50 MTWTH	0813	101 GRAY WINSTON G
	CROSSLISTED WITH THEATRE 240		
242	SQUARE SOCIAL DANCE	01.0 CR	
1	10.00 M W F	GYM	114
2	11.00 M W F	GYM	114
273	DANCE WORKSHOP	02.0 CR	
1	07.00-09.30 PM T TH	0813	101 GRAY + DAVIDSON
	CROSSLISTED WITH THEATRE 273		
2	05.30-07.30 T TH	0813	101
304C	TECH-TEACH SPORTS	02.0 CR	
	PREREQ PEW 244 CR EQUIV		
1	01.00 M W	GYM	207 WEST + BLACKMAN
304D	TECH-TEACH SPORTS	02.0 CR	
1	01.00 T THF	GYM	207 STEHR + VOGEL
309	TEACHING DANCE	05.0 CR	
	PREREQ PEW 212, 222, CR EQUIV		
1	08.00 MTWTHF	GYM	204 DAVIES DOROTHY
2	08.00 MTWTHF	0813	101 DAVIDSON ELLEVA J
311B	TH OFFIC BASKETBALL	01.0 CR	
	PREREQ PEW 311A		
1	09.00 F	GYM	204 BRECHTELSBAUER KAY
313	DANCE PRODUCTION	04.0 CR	
	PREREQ SSE 113E CR CCNSENT OF INSTR		
1	02.00-03.50 T TH	0813	101 GRAY WINSTON G
	CROSSLISTED WITH THEATRE 313		
316	ADVANCED SWIMMING	01.0 CR	
	PREREQ PEW 211 CR EQUIV		
	02.00 T	H EC	118
317	LIFE SAV WATER SAFE	01.0 CR	
	PREREQ PASS INTERMED SWIM TEST		
1	02.00-03.50 T TH	GYM	114 COOPER CAROL
	CROSSLISTED WITH PEW 317		
319	TCHG ELEM SCH ACT	04.0 CR	
	PREREQ PSYC 301 CR GUIC 305		
1	11.00 MTWTH	GYM	208 POTTER MARJORIE BOND
2	12.00 MTWTH	GYM	208 POTTER MARJORIE BOND
3	03.00 MTWTH	GYM	208 ZIMMERMAN HELEN
4	04.00-05.50 M W	GYM	208 WOOD SHIRLEY JEAN
5	04.00-05.50 T TH	GYM	208 ZIMMERMAN HELEN
6	02.00 M W F	GYM	208
351	REC FOR ATYPICAL	04.0 CR	
1	09.00 MTWTH	GYM	204 COTTEN SARAH ELLEN
406	BASIC CONCEPTS P E	04.0 CR	
1	07.00-09.30 PM T	ARENA	125 SHEA EDWARD J
	CROSSLISTED WITH PEW 406		

408	PHY FIT RLE-APPL ED	02.0 TO 04.0 CR		
1	07.00-09.30 PM TH	ARENA 125	ACKERMAN KENNETH J	
	CROSSLISTED WITH PFM 408			
420	EFFECTS MOTOR ACTIV	04.0 CR		
1	07.00-09.30 PM W	ARENA 125		
475A	IND RES-DANCE	02.0 TO 04.0 CR		
1	TO BE ARRANGED		GRAY WINSTON G	
475B	IND RES-KINESIOLOGY	02.0 TO 04.0 CR		
1	TO BE ARRANGED		THORPE JOANNE LEE	
475C	IND RES-MEASUREMENT	02.0 TO 04.0 CR		
1	TO BE ARRANGED		WEST CHARLOTTE	
475D	IND RES-MOTOR DEVEL	02.0 TO 04.0 CR		
1	TO BE ARRANGED		POTTER MARJORIE BOND	
475E	IND RES-PHSL OF EX	02.0 TO 04.0 CR		
1	TO BE ARRANGED		KNOWLTON	
475F	IND RES-HIST + PHIL	02.0 TO 04.0 CR		
1	TO BE ARRANGED		GOOD	
504	RESEARCH PROJECTS	04.0 CR		
	PREREQ 500 OR EQUIV			
1	TO BE ARRANGED			
513	MOTOR LRNG-PHY SKIL	04.0 CR		
	PREREQ GRADUATE STUDENT AND CONSENT O			
	F INSTRUCTOR			
1	07.00-09.30 PM M	GYM 204	ZIMMERMAN HELEN	
	CROSSLISTED WITH PFM 513			
525	READINGS	01.0 TO 06.0 CR		
	PREREQ CONSENT OF INSTR AND DEPT			
	CHAIRMAN			
1	TO BE ARRANGED		THORPE JOANNE LEE	
599	THESIS	01.0 TO 09.0 CR		
1	TO BE ARRANGED		THORPE JOANNE LEE	
600	DISSERTATION	02.0 TO 48.0 CR		
1	TO BE ARRANGED			

Physics (PHYS)

111B	COLLEGE PHYSICS	03.0 CR		
	PREREQ PHYS 111A			
1	02.00	TWTHF	PARK 308	ZIMMERMAN J R
2	02.00	MTWTH	PARK 308	
112B	COLLEGE PHYS LAB	01.0 CR		
	PREREQ CONCURRENT ENR IN PHYS 111			
1	01.00-03.50 M	PHY SC 405		
2	06.00-08.50 PM M	PHY SC 405		
206A	COLLEGE PHYSICS	03.0 CR		
	PREREQ MATH 111B			
1	02.00	M W F	PARK 309	
	02.00	TH	PARK 309	
206B	COLLEGE PHYSICS	03.0 CR		
	PREREQ PHYS 206A CR 206C			
1	11.00	M W F	PARK 308	SAPOROSCHENKO MYKOLA
	11.00	T	PARK 308	
2	11.00	M W F	PARK 308	SAPOROSCHENKO MYKOLA
	11.00	TH	PARK 308	
3	01.00	MTW F	PARK 308	
4	01.00	M WTHF	PARK 308	
206C	COLLEGE PHYSICS	03.0 CR		
	PREREQ PHYS 206B CR 206A			
1	10.00	M WTHF	PARK 309	CUTNELL JOHN D
207A	COLLEGE PHYS LAB	01.0 CR		
	PREREQ CONCURRENT ENR IN PHYS 206			
1	02.00-04.50	T	PHY SC 403	
207B	COLLEGE PHYS LAB	01.0 CR		
	PREREQ CONCURRENT ENR IN PHYS 206			
1	06.00-08.50 PM	T	PHY SC 405	
2	01.00-03.50	F	PHY SC 405	
3	06.00-08.50 PM	W	PHY SC 405	
4	08.00-10.50	T	PHY SC 405	
207C	COLLEGE PHYS LAB	01.0 CR		
	PREREQ CONCURRENT ENR IN PHYS 206			
1	10.00-12.50	T	PHY SC 407	

211A	UNIVERSITY PHYSICS	03.0 CR	
	PREREQ MATH 150B CR CCAC ENROLLMENT		
1	01.00 MTW F PARK 309	BENSON BRENT W	
2	01.00 M WTHF PARK 309	BENSON BRENT W	
3	01.00 M W F PARK 309	BENSON BRENT W	
	01.00 T PARK 301		
211B	UNIVERSITY PHYSICS	03.0 CR	
	PREREQ PHYS 211A		
1	09.00 MTW F PARK 308	PEARSON EDWIN F	
2	09.00 M WTHF PARK 308	PEARSON EDWIN F	
3	12.00 MTW F PARK 308	SCHLECHT	
4	12.00 M WTHF PARK 308	SCHLECHT RICHARD G	
5	06.00-07.25 PM M W PARK 308		
	06.00 PM T PARK 308		
211C	UNIVERSITY PHYSICS	03.0 CR	
	PREREQ PHYS 211A		
1	09.00 MTW F PARK 309		
2	09.00 M WTHF PARK 309		
212A	UNIVERSITY PHYS-LAB	01.0 CR	
	PREREQ CONCURRENT ENRL IN PHYS 211		
1	01.00-03.50 TH PHY SC 403		
2	08.00-10.50 T PHY SC 403		
3	08.00-10.50 TH PHY SC 403		
212B	UNIVERSITY PHYS-LAB	01.0 CR	
	PREREQ CONCURRENT ENRL IN PHYS 211		
1	08.00-10.50 TH PHY SC 405		
2	02.00-04.50 W PHY SC 405		
3	02.00-04.50 TH PHY SC 405		
4	02.00-04.50 T PHY SC 405		
5	06.00-08.50 PM TH PHY SC 405		
212C	UNIVERSITY PHYS-LAB	01.0 CR	
	PREREQ CONCURRENT ENRL IN PHYS 211		
1	02.00-04.50 TH PHY SC 407		
2	02.00-04.50 T PHY SC 407		
300	UNIVERSITY PHYS IV	04.0 CR	
	PREREQ PHYS 111, 206 CR 211		
1	03.00 MT F PARK 301	CHANG-FANG CHUEN-C	
	04.00 T PARK 304	CHANG-FANG CHUEN-C	
	03.00-05.50 W PHY SC 404		
2	03.00 MT F PARK 301	CHANG-FANG CHUEN-C	
	04.00 T PARK 301	CHANG-FANG CHUEN-C	
	03.00-05.50 TH PHY SC 404		
302	ASTRONOMY - HONORS	03.0 CR	
	PREREQ MATH 150B, CSA 1C1A, PHYS 111A, 206A OR 211A OR CONSENT		
1	10.00 M W F PARK 204		
305B	INTRO ELEC THEORY	03.0 CR	
	PREREQ MATH 305A CR CCNS INSTR + PHYS 111 OR 206 OR 211		
1	02.00 M W F PARK 301	PEARSON EDWIN F	
309	ELECTRIC CIRCUITS	03.0 CR	
	PREREQ PHYS 111C CR 206C OR 211C		
1	10.00 M W TECH A 120		
	10.00 F TECH A 222		
310	LIGHT	03.0 CR	
	PREREQ PHYS 111B CR 206B OR 211B		
1	03.00 M W F PHY SC 410	CARRELL JOHN CRAIG	
311	OPTICS LAB	01.0 CR	
	PREREQ PHYS 310 CR CONCURRENT ENR IN PHYS 310		
1	02.00-04.50 T PHY SC 406	CARRELL JOHN	
312	ELEC CIRC LAB	02.0 CR	
	PREREQ PHYS 309 CR CONC ENROLLMENT		
1	09.00-11.50 T TH PHY SC 406	WATSON RICHARD	
404A	PHYSICAL ELECTRONIC	03.0 CR	
	PREREQ PHYS 304, 305, AND 401 OR CONSENT OF INSTR		
1	01.00 M W F PHY SA 458	ZIMMERMAN	
410A	INTRO TO EM WAVE TH	03.0 CR	
	PREREQ PHYS 305 AND 310		
1	09.00 M W F PHY SA 458		

415C	MODERN PHYSICS		03.0 CR		
	PREREQ	PHYS 415B			
1	10.00	M W F	PHY SA 278	SCHLECHT RICHARD G	
418	MOD PHYSICS LAB		01.0 TO 04.0 CR		
1	TO BE ARRANGED			ZITTER ROBERT N	
420	SPECIAL PROJECTS I		02.0 TO 05.0 CR		
	PREREQ	PHYS 301 AND 305			
1	TO BE ARRANGED				
449B	SERV INST-PHYS TEAC		01.0 CR		
1	09.00-11.50	S	PARC 301	NICKELL WM E	
504B	X-RAY DIFF LAT DYN		04.0 CR		
	PREREQ	PHYS 504A			
1	11.00	M W	TECH B 109	CANUT MARISA L	
	10.00-11.50	TH	TECH B 109	CANUT MARISA L	
	CROSS-LISTED WITH AP S				
510B	CLASSICAL MECHANICS		03.0 CR		
	PREREQ	PHYS 510A			
1	09.00	T TH S	PHY SC 410	SULLIVAN JOHN J	
511B	MATH METH OF PHYS		03.0 CR		
	PREREQ	MATH 455C CR EQUIV OR CONSENT OF INSTR			
1	08.00	M W F	TECH A 122		
520	SPECIAL PROJECTS		02.0 TO 05.0 CR		
	PREREQ	CONSENT OF INSTR			
1	TO BE ARRANGED				
530B	ELECTROMAG THEORY		03.0 CR		
	PREREQ	PHYS 530A			
1	09.00	M W F	TECH A 120	ZITTER ROBERT N	
531B	QUANTUM MECHANICS		03.0 CR		
	PREREQ	MATH 455C, PHYS 415 OR CONSENT OF INSTR			
1	11.00	M W F	PHY SA 258	SANDERS FRANK C JR	
532B	ADV QUANTUM MECH		03.0 CR		
	PREREQ	PHYS 532A			
1	11.00	M W F	PHY SA 458	NICKLE HARRY H	
540B	NUCLEAR PHYSICS		03.0 CR		
	PREREQ	PHYS 540A			
1	09.00	T TH S	PHY SA 458		
550B	AT AND MOL SPECTRA		03.0 CR		
	PREREQ	PHYS 550A			
1	10.00	M W F	PHY SA 458	JOHNSON ROBERT E	
560B	STAT MECHANICS		03.0 CR		
	PREREQ	PHYS 560A			
1	12.00	M W F	PHY SA 458	BOSE SUBIR K	
575	GRAD SEMINAR		01.0 TO 04.0 CR		
1	TO BE ARRANGED				
580	SEL TOPICS PHYS		03.0 TO 06.0 CR		
1	TO BE ARRANGED				
592	COLLOQUY IN MOL SCI		01.0 CR		
1	04.00-06.00	M	TECH A 111		
599	THESIS		01.0 TO 09.0 CR		
1	TO BE ARRANGED				
600	DISSERTATION		01.0 TO 48.0 CR		
	PREREQ	ADMISSION TO ADVANCED STUDY IN MOLECULAR SCIENCE			
1	TO BE ARRANGED				

Physiology (PHSL)

300	HUMAN ANATOMY		04.0 CR		
1	11.00	MTWTH	LS I 16	MICKUS	
2	01.00	MTWTH	LS I 16	FOOTE	
315B	ADV COLLEGE PHSL		05.0 CR		
	PREREQ	GSA 201B AND 5 FRS CHEM			
1	08.00	M W F	LS I 113	KAPLAN H M	
	08.00-09.50	T TH	LS I 113		
2	08.00	M W F	LS I 113	KAPLAN H M	
	09.00-10.50	M W	LS I 113		
410B	ADVANCED ANATOMY		05.0 CR		
	PREREQ	PHSL 410A			
1	02.00-03.50	M WTHF	LS I 18	FOOTE FLORENCE	

414	PHYSIOL OF SPEECH			04.0 CR	
1	10.00	MT TH	LS I	113	KAPLAN H M
	10.00-11.50	F	LS I	113	
	CROSS-LISTED WITH SP+A				
417B	PRIN PHARMACOLOGY			03.0 CR	
	PREREQ PHSL 417A				
1	11.00	M W	LS I	205	GASS GEORGE HIRAM
	10.00-11.50	F	LS I	120	
430B	CELLULAR PHYSIOLOGY			04.0 CR	
1	09.00	M W F	LS II	430	DUNAGAN TOMMY TOLSON
	02.00-03.50	T	LS I	120	
450	SPECIAL PROBLEMS		04.0 TO 16.0 CR		
	PREREQ CONSENT CF DEPT				
1	02.00-03.50	M W F	LS I	111	
	08.00-09.50	S	LS I	111	
460B	MAMMALIAN PHSL			04.0 CR	
	PREREQ ADEQUATE TRAINING IN BIO SCIEN CES AND CHEM				
1	08.00	M W F	LS I	113	KAPLAN H M
	08.00-09.50	T TH	LS I	113	
2	08.00	M W F	LS I	113	KAPLAN H M
	09.00-10.50	M W	LS I	113	
465B	BIOPHYSICS			03.0 CR	
	PREREQ PHSL 465A				
1	09.00	M W F	AG	220	RICHARDSON ALFRED W
471B	BIOPHYS INST			03.0 CR	
	PREREQ PHSL 471A				
1	10.00	T THF	STAD	5	RICHARDSON ALFRED W
500	ADV SEMINAR		01.0 TO 09.0 CR		
1	12.00	M	LS I	113	WARNER
520B	PHSL TECHNIQUES			03.0 CR	
	PREREQ PHSL 520A				
1	02.00-03.50	M W	TECH A	308	
	02.00-03.50	F	TECH A	222	
521	PHYSIOLOGY READINGS		01.0 TO 06.0 CR		
	PREREQ CONSENT OF DEPT				
1	TO BE ARRANGED				
540A	ADV COMPAR PHYSIOL			04.0 CR	
	PREREQ BACKGRUND IN CHEM AND BIO SCIENCES				
1	01.00	M W F	LS II	146	MILLER DONALD M
	02.00-03.50	M	LS I	120	MILLER DONALD M
599	THESIS		03.0 TO 09.0 CR		
1	03.00-04.50	MTWTHF	LS I	111	
600	DISSERTATION		04.0 TO 36.0 CR		
1	03.00-04.50	MTWTHF	LS I	111	

Plant Industries (PL I)

109	PRIN-FIELD CROP PRO			04.0 CR	
1	01.00	M W F	AG	214	ELKINS DONALD M
	10.00-11.50	T	AG	171	ELKINS DONALD M
2	01.00	M W F	AG	214	ELKINS DONALD M
	10.00-11.50	TH	AG	171	ELKINS DONALD M
3	01.00	M W F	AG	214	ELKINS DONALD M
	01.00-02.50	TH	AG	171	ELKINS DONALD M
301	SOIL SCIENCE			05.0 CR	
	PREREQ GSA 101B				
1	12.00	M WTHF	AG	166	CASTER ALFRED B
	08.00-09.50	T	AG	167	CASTER ALFRED B
2	12.00	M WTHF	AG	166	CASTER ALFRED B
	12.00-01.50	T	AG	167	CASTER ALFRED B
3	03.00	MTWTH	AG	214	CASTER ALFRED B
	08.00-09.50	F	AG	167	CASTER ALFRED B
4	03.00	MTWTH	AG	214	CASTER ALFRED B
	01.00-02.50	F	AG	167	CASTER ALFRED B
309	FIELD CROP PROD			04.0 CR	
	PREREQ GSA 201A				
1	09.00	M W F	AG	168	
	03.00-09.50	T	AG	171	

316	SMALL FRUITS	04.0 CR	
	PREREQ GSA 201B		
1	11.00 M W F AG 154 MOWRY		
	10.00-11.50 TH AG 181		
359	INTERN PROGRAM 03.0 TO 05.0 CR		
	PREREQ JR STANDING		
1	TO BE ARRANGED		
381	PLANT SCIENCE SEM 01.0 TO 02.0 CR		
	PREREQ SENIOR STANDING		
1	04.00 T AG 214 MYERS OVAL JR		
390	SPEC STUD PLANTS 01.0 TO 06.0 CR		
	PREREQ CONSENT CF DEPT CHAIRMAN		
1	09.00-11.50 S AG 171 COORTS GERALD D		
391	HONORS IN PLANT INC 01.0 TO 06.0 CR		
	PREREQ JR STAND, 4.0 GPA(4.25 IN MAJ)		
	,+ CONSENT OF DEPT CHM		
1	TO BE ARRANGED		
401	SOIL PHYSICS 04.0 CR		
	PREREQ PL I 301		
1	03.00 M W F AG 168 JONES JOE H		
	02.00-03.50 TH AG 167 JONES JOE H		
406	RADIOISOTOPES 05.0 CR		
	PREREQ BIOCHEM, BIOPHYSICS, OR		
	CONSENT CF DEPT		
1	09.00 M W F AG 218 TWEEDY JAMES A		
	08.00-09.50 T TH AG 181 TWEEDY JAMES A		
415	PLANT BREEDING 04.0 CR		
	PREREQ BOT 315, AN I CR ZOOL 401 OR		
	CONSENT CF INSTR		
1	02.00 MT F AG 116 MYERS OVAL JR		
	01.00-02.50 W AG 171 MYERS OVAL JR		
424A	SOIL MICROBIOLOGY 03.0 CR		
	PREREQ ONE COURSE IN SCILS OR		
	MICROBIOLOGY		
1	10.00 M W F AG 188 SATCHELL DONALD P		
424B	SOIL MICRO LAB 02.0 CR		
	PREREQ PL I 424A CR CONSENT CF DEPT		
1	12.00-01.50 M W AG 181 SATCHELL DONALD P		
2	12.00-01.50 T TH AG 181		
440	PLANT PROPAGATION 04.0 CR		
	PREREQ PL I 264		
1	08.00 M W F AG 220 COORTS GERALD D		
	08.00-09.50 TH AG 190 COORTS GERALD D		
2	08.00 M W F AG 220 COORTS GERALD D		
	10.00-11.50 TH AG 190 COORTS GERALD D		
520	READINGS 01.0 TO 06.0 CR		
	PREREQ CONSENT CF DEPT		
1	TO BE ARRANGED LEASURE JOHN K		
533	GRO DEV IN PLANTS 03.0 TO 04.0 CR		
	PREREQ BOT 320		
1	02.00 M W F AG 170 LEASURE JOHN K		
	TO BE ARRANGED		
575	RESEARCH 01.0 TO 06.0 CR		
	PREREQ CONSENT CF DEPT		
1	TO BE ARRANGED LEASURE JOHN K		
2	TO BE ARRANGED LEASURE JOHN K		
3	TO BE ARRANGED LEASURE JOHN K		
581	SEMINAR 01.0 TO 06.0 CR		
1	04.00 TH AG 181 TWEEDY JAMES A		
590	SPEC STUDIES-PL I 01.0 TO 04.0 CR		
1	TO BE ARRANGED		
599	THESIS 01.0 TO 09.0 CR		
1	TO BE ARRANGED LEASURE JOHN K		

Psychology (PSYC)

101	DEV EFFECT RELATION	04.0 CR
1	01.00 F LAWSON 171	
	10.00-11.50 M W AG 144	
2	01.00 F LAWSON 171	
	10.00-11.50 M W PHY SC 410	

3	01.00		F	LAWSON	171	
	11.00-12.50	M W		WHAM	212	
4	01.00		F	LAWSON	171	
	03.00-04.50	M W		LS II	430	
5	01.00		F	LAWSON	171	
	08.00-09.50	T TH		TECH A	120	
6	01.00		F	LAWSON	171	
	02.00-03.50	T TH		WHAM	301A	
7	01.00		F	LAWSON	171	
	10.00-11.50	W F		CL	25	
8	01.00		F	LAWSON	171	
	03.00-04.50	M		WHAM	208	
	03.00-04.50	W		WHAM	228	
9	01.00		F	LAWSON	171	
	04.00-05.50	M W		PHY SA	358	
10	01.00		F	LAWSON	171	
	03.00-04.50	T TH		PHY SA	278	
211A	PRIN-METH OF PSYC			04.0 CR		
	PREREQ GSB 201C					
1	08.00	M W F		PARK	308	PITZ
	08.00-09.50	T		AG	224	
2	08.00	M W F		PARK	308	PITZ
	08.00-09.50	TH		AG	224	
3	03.00	M W F		PARK	308	MASAKI
	01.00-02.50	T		AG	154	
4	03.00	M W F		PARK	308	MASAKI
	03.00-04.50	TH		WHLR	214	
211B	PRIN-METH OF PSYC			04.0 CR		
	PREREQ 211A					
1	10.00	M W F		AG	168	RADTKE ROBERT C
	10.00-11.50	T		AG	188	
2	10.00	M W F		AG	168	RADTKE ROBERT C
	10.00-11.50	TH		AG	150	
3	03.00	M W F		AG	224	IRWIN DONALD A
	03.00-04.50	T		COMM	1017	
4	03.00	M W F		AG	224	IRWIN DONALD A
	03.00-04.50	TH		AG	224	
301	CHILD PSYCH			04.0 CR		
	PREREQ GSB 201C					
1	08.00	TWTHF		LAWSON	201	SOMERVILL
2	02.00	MTW		LAWSON	101	WENDT RACHEL
	02.00	TH		AG	214	
3	04.00	MT TH		LAWSON	131	ODONNEL
	04.00	W		LAWSON	201	
304	PSYCH MATURE-OLC AGE			04.0 CR		
	PREREQ GSB 201C					
1	12.00	MTW		LAWSON	101	WENDT RACHEL
	12.00	TH		0720	102	
305	PSYCH PERSONALITY			04.0 CR		
	PREREQ GSB 201C					
1	09.00	MT THF		PULL	38	HNATIONW
2	03.00	M W F		LAWSON	231	HARREN VINCENT A
	03.00	TH		LAWSON	101	HARREN
3	12.00	M WTHF		PULL	38	
307	SOCIAL PSYCHOLOGY			04.0 CR		
	PREREQ GSB 201C					
1	10.00	MT THF		PULL	38	SAKAMOTO
2	03.00-04.50	T TH		LAWSON	231	MITCHELL
3	01.00	M WTHF		AG	166	
311	EXP PSYCH LEARN			04.0 CR		
	PREREQ PSYC 211B					
1	03.00	M W F		PULL	39	MELTZER DONALD
	03.00-04.50	TH		CL	24	
2	11.00	MT TH		0720	107	SCHMECK RONALD R
	11.00-12.50	W		0720	117	
313	EXP PSYC MOTIV			04.0 CR		
	PREREQ PSYC 211B					
1	09.00-10.50	M W		AG	224	MCHOSE
	10.00	F		AG	154	
2	01.00	M WTH		AG	224	SCHMECK
	01.00-02.50	F		AG	220	

314	EXP PSYC COMP PHYS	04.0 CR	
	PREREQ PSYC 211B		
1	11.00 M W F PULL 43A LEVITT		
	10.00-11.50 TH PULL 43		
320	INDUSTRIAL PSYCH	04.0 CR	
	PREREQ GSB 201C		
1	08.00-09.50 M TH 0875 101		
322	PERSONNEL PSYCH	04.0 CR	
	PREREQ GSB 201C		
1	08.00-09.50 W AG 166 PURCELL		
	08.00-09.50 F LAWSON 101		
323	PSYC-EMPLOYEE RELAT	04.0 CR	
	PREREQ GSB 201C		
1	03.00-04.50 T TH WHAM 105 WESTBERG		
399B	RES + INV - HONORS 01.0 TO 12.0 CR		
	PREREQ CONSENT CF DEPT CHAIRMAN		
1	10.00-11.50 TH AG 170 EHRENFREUND DAVID		
404	THEORIES OF PERCEP	04.0 CR	
	PREREQ PSYC 211B CR CCNSENT CF INSTR		
1	10.00-11.50 T TH AG 218 LIT ALFRED		
407	TH OF LEARNING	04.0 CR	
	PREREQ PSYC 211B CR CCNSENT CF INSTR		
1	01.00-02.50 M W TECH A 122 RADTKE		
421	PSYCH TESTS + MEAS	04.0 CR	
	PREREQ 8 HRS CF PSYC		
1	08.00-09.50 M W PHY SA 160 RAYNARD RICHARD C		
431	PSYTOPATHOLOGY	04.0 CR	
	PREREQ 305 OR CCNSENT CF INSTR		
1	11.00 MTW F AG 166 FNATIONW MICHAEL JR		
440	TH OF PERSONALITY	04.0 CR	
	PREREQ PSYC 305 CR CCNSENT CF INSTR		
1	01.00 M WTHF PHY SB 440 VANATTA RALPH E		
461	ADV SOCIAL PSYCH	04.0 CR	
	PREREQ PSYC 307 CR CCNSENT CF INSTR		
1	03.00-04.50 M W AG 148 MITCHELL THOMAS O		
490	INDEPEN PROJECTS 01.0 TO 16.0 CR		
	PREREQ CONSENT CF INSTR AND DEPT CHAIRMAN		
1	TO BE ARRANGED		
495	SELECTED TOPICS 01.0 TO 18.0 CR		
	PREREQ CONSENT CF DEPT		
1	TO BE ARRANGED		
514B	PHYSIOLOGICAL PSYCH	04.0 CR	
	PREREQ PSYC 514A		
1	10.00-11.50 S AG 148		
	09.00 M W F AG 148 LEVITT ROBERT A		
524	MULTIVAR METH-PSYC	04.0 CR	
	PREREQ PSYCH 522		
1	03.00-04.50 T TH AG 116 EVANSON		
536	FUND OF COJNSELING	04.0 CR	
	PREREQ CONSENT CF INSTR		
1	11.00 MTW F AG 150 HARREN		
537	COJNS PSYC+OTHERAPY	04.0 CR	
	PREREQ PSYC 530 AND CCNSENT CF INSTR		
1	08.00-09.50 T WHAM 321 RADER		
	08.00-09.50 TH LS II 146		
	08.00 F LS II 146		
539	EXPER PSYC+OTHERAPY	04.0 CR	
	PREREQ PSYCH 536, 537, OR CCNSENT CF INSTRUCTOR		
1	11.00 MTW F PULL 43 LADD CLAYTON EUGENE		
541	PSYCHODIAGNOSTICS I	04.0 CR	
	PREREQ CONSENT CF INSTRUCTOR		
	03.00-04.50 W AG 222 O'DONNELL JAMES P		
543B	PSYCHODIAGNOSTIC II	02.0 CR	
	PREREQ PSYC 543A		
1	09.00-10.50 M AG 170 SCHILL THOMAS RAMON		
	10.00 W AG 170 SCHILL THOMAS RAMON		
545	PSYCHODIAG III	02.0 CR	
	PREREQ CONSENT CF INSTR		
1	01.00-02.50 F WHAM 301B BRODSKY STANLEY L		

552	EXP CHILD PSYCH		04.0 CR	
	PREREQ PSYC 451 CR CONSENT OF INSTR			
1	01.00-02.50	M W	LS II 330	RAFFERTY JANET
574	PSYCH-IND RELATIONS		02.0 CR	
	PREREQ PSYC 571 CR CONSENT			
1	08.00-09.50	T	TECH B 20	HILL
590	READINGS-PSYC		01.0 TO 16.0 CR	
	PREREQ CONSENT CF DEPT			
1	TO BE ARRANGED			
591	RESEARCH IN PSYC		01.0 TO 36.0 CR	
	PREREQ CONSENT CF DEPT			
1	TO BE ARRANGED			
593E	PRACT-CLIN PSYC		01.0 TO 18.0 CR	
	PREREQ CONSENT CF INSTR IN CHARGE			
1	TO BE ARRANGED			BEKKER
2	TO BE ARRANGED			RADER
	SECT 1 + 2 - ADVANCED STUDENTS			
3	01.00-03.50	TH	0481 202	RINGUETTE
4	01.00-03.50	TH	0481 202	SHOEMAKER
593F	PRACT-COUNS PSYC		01.0 TO 18.0 CR	
	PREREQ CONSENT CF INSTR IN CHARGE			
1	TO BE ARRANGED			SNYDER JOHN F
2	TO BE ARRANGED			BUCK
593H	PRACT-INDUST PSYC		01.0 TO 18.0 CR	
	PREREQ CONSENT CF INSTR IN CHARGE			
1	TO BE ARRANGED			WESTBERG WILLIAM C
593J	PRACT-CHILD PSYC		01.0 TO 18.0 CR	
	PREREQ CONSENT CF INSTR IN CHARGE			
1	TO BE ARRANGED			ODONNELL JAMES P
593L	PRACT-TEACHING PSYC		01.0 TO 18.0 CR	
	PREREQ CONSENT CF INSTR IN CHARGE			
1	TO BE ARRANGED			CARRIER NEIL ALAN
595	ADVANCED SEMINAR		01.0 TO 18.0 CR	
	PREREQ CONSENT CF DEPT			
1	TO BE ARRANGED			LIT
2	TO BE ARRANGED			MACLEAN
3	TO BE ARRANGED			MCHOSE
4	TO BE ARRANGED			MCNEEL
5	TO BE ARRANGED			MELTZER
6	TO BE ARRANGED			PITZ
7	TO BE ARRANGED			RINGUETTE
8	TO BE ARRANGED			SOMERVILL
9	TO BE ARRANGED			
599	THESIS		01.0 TO 09.0 CR	
1	TO BE ARRANGED			
600	DISSERTATION		01.0 TO 45.0 CR	
1	TO BE ARRANGED			

Radio-Television (R - T)

161	RADIO-TV SPEAKING		04.0 CR	
1	11.00	MTWTH	COMM 1015	
2	03.00	MTWTH	COMM 1015	HILDRETH RICHARD
3	09.00	MTWTH	COMM 1016	
251	SURVEY OF BROADCAST		03.0 CR	
1	08.00	M W F	COMM 1046	BARTLETT BYRON A
2	12.00	M W F	COMM 1046	
252	PRODUCTION ANALYSIS		03.0 CR	
1	10.00	MT TH	COMM 1046	DYBUIG
2	04.00	M W F	COMM 1046	
260	AUDIO CONTROL PRACT		01.0 CR	
1	12.00-01.50	T	COMM 52C	HALL CHARLES J JR
	01.00	M	COMM 1046	
2	12.00-01.50	TH	COMM 52C	HALL CHARLES J JR
	01.00	M	COMM 1046	
3	01.00	W	COMM 1046	
	03.00-04.50	M	COMM 52C	
4	01.00	W	COMM 1046	
	03.00-04.50	W	COMM 52C	
310	RADIO - TV NEWS		03.0 CR	
	PREREQ JRNL 103, 201, 202 AND 303			
1	01.00	M W F	COMM 1016	DUGAS PAUL JOSEPH

351	PROGS AND AUDIENCES			05.0 CR	
	PREREQ R-T 251				
1	02.00	MTWTHF	COMM	1046	DYBUIG
352	LAWS AND POLICIES			04.0 CR	
	PREREQ R-T 251				
1	09.00	MTWTH	COMM	1046	
360	RADIO ANNOUNCING			03.0 CR	
	PREREQ R-T 161 PASSED WITH A MINIMUM GRADE OF C				
1	12.00	M W F	COMM	1015	BROWN WILLIAM F
363	RADIO PRODUCTION			04.0 CR	
	PREREQ R-T 260				
1	10.00-11.50	F	COMM	1016	RICHTER E WALTER
	07.00-10.00 PM	TH	COMM	1016	RICHTER E WALTER
2	03.00-04.50	F	COMM	1015	
	07.00-10.00 PM	W	COMM	1016	
364	TV PRODUCTION			04.0 CR	
	PREREQ R-T 252				
1	01.00	M WTH	COMM	1015	PICTOR ROBERT R
	01.00-02.50	T	COMM	1015	PICTOR ROBERT R
2	01.00	M WTH	COMM	1015	PICTOR ROBERT R
	01.00-02.50	F	COMM	1015	PICTOR ROBERT R
3	10.00	TWTH	COMM	1015	
	10.00-11.50	F	COMM	1015	
369	TV DIRECTING			04.0 CR	
	PREREQ R-T 364				
1	08.00	T TH	COMM	1003	ROCHELLE
	LAB TBA				
370	TELEVISION FILMS			02.0 CR	
1	12.00-01.50	TH	COMM	1046	MENDENHALL HARLAN H
373	ADV RADIO PROD LAB			01.0 TO 02.0 CR	
	PREREQ R-T 363 OR CONCURRENT ENR IV R-T 363				
1	04.00	T TH	COMM	1046	LYNCH CHARLES T
374	ADV TV PROD LAB			01.0 TO 02.0 CR	
	PREREQ R-T 364				
1	05.00	M	COMM	1046	LAFFERTY REN A
375J	IND RESEARCH PROBS			01.0 TO 02.0 CR	
	PREREQ CONSENT OF INSTR				
1	10.00	W	COMM	1046	RIMERMAN
377	R-TV ADVERTISING			03.0 CR	
	PREREQ JRNL 370 AND 371				
1	04.00	M W F	COMM	1016	
383	BROADCAST WRITING			04.0 CR	
	PREREQ R-T 363 AND 364				
1	02.00	M W	COMM	1016	LYNCH CHARLES T
	02.00-03.50	F	COMM	1016	LYNCH CHARLES T
390	BROADCAST STA MGT			05.0 CR	
1	03.00	MTWTHF	COMM	1046	KURTZ JOHN L
393	RADIO-TV + SOCIETY			03.0 CR	
	PREREQ R-T 251, 351, 352				
1	11.00	M W F	COMM	1046	RIMERMAN MARVIN H
467	RADIO-TV PROD SURV			03.0 CR	
1	09.00	M WTH	COMM	1015	RICHTER E WALTER
475	INDIV PRODUCT PROB			01.0 TO 04.0 CR	
1	11.00	T	COMM	1046	ROBBINS GUREN C

Recreation and Outdoor Education (REC)

201	LEISURE AND REC			03.0 CR	
1	08.00	M W F	0720	101	OBRIEN WILLIAM E
202	PROG IN REC			03.0 CR	
	PREREQ REC 201				
1	09.00	M W F	LS II	350	OBRIEN WILLIAM E
301	OUTDOOR EDUCATION			04.0 CR	
1	10.00-11.50	M W	0629	101	CHRISTIE ROBERT M
2	02.00-03.50	T TH	0721	101	CHRISTIE ROBERT M
302	INSTITUTIONAL REC			03.0 CR	
1	06.00-07.30 PM	M W	PULL	43	SWITZER STUART B
310	SOCIAL RECREATION			03.0 CR	
	PREREQ REC 201, 202				
1	01.00	M W F	LS II	130	

315	DRAMATICS IN REC		03.0 CR		
	PREREQ REC 201, 202				
1	04.00-05.30	T TH	PULL 38		TAYLOR LOREN ESTEN
320	NATURE INTERPRET		03.0 CR		
1	09.00-12.00	S	AG 144		CHRISTIE
325	LEISURECRAFTS		03.0 CR		
	PREREQ REC 201, 202				
1	02.00-03.30	T TH	LS 11 146		TAYLOR LOREN ESTEN
335	MUS + DANCE IN REC		03.0 CR		
	PREREQ REC 201, 202				
1	02.00-03.50	M W	0720 114		TAYLOR LOREN ESTEN
340	REC ACT FOR SP POP		03.0 CR		
	PREREQ REC 302				
1	09.00	T TH S	CL 326		FREEBERG
365	ORG ADMIN-COMM REC		04.0 CR		
	PREREQ REC 201, 202, AND 15 HRS IN REC				
	10.00	TH	AG 150		
380	FIELD WORK		01.0 TO 04.0 CR		
	PREREQ 20HRS RECREATION				
1	TO BE ARRANGED				ABERNATHY WILLIAM
390	INTERNSHIP IN REC		12.0 TO 16.0 CR		
	PREREQ CONSENT CF DEPARTMENT				
1	TO BE ARRANGED				ABERNATHY WILLIAM
470	SCH + COMM REC		04.0 CR		
1	06.30-09.00 PM	M	LS 1 205		TAYLOR LOREN ESTEN
500	PRIN OF REC		04.0 CR		
1	06.30-09.00 PM	T	0720 118		OBRIEN WILLIAM E
510	OUTDOOR ED WKSH		04.0 CR		
1	06.30-09.00 PM	M	0720 106		NOWAK PAUL F
	TWO FIELD TRIPS REQUIRED				
520	REC ADMIN WKSHOP		04.0 CR		
1	06.30-09.00 PM	T	H EC 118		RIDINGER
525	SPEC POP WKSHOP		04.0 CR		
1	06.30-09.00 PM	W	0720 102		FREEBERG
530	REC PROGRAM WORKSH		04.0 CR		
	PREREQ REC 500				
1	06.30-09.00 PM	TH	H EC 118		RIDINGER
570	SEM-REC + OUT ED		04.0 CR		
1	TO BE ARRANGED				NOWAK PAUL F
596	INDEPENDENT STUDY		02.0 TO 04.0 CR		
1	TO BE ARRANGED				TAYLOR LOREN ESTEN

Rehabilitation (REHB)

414	DEV EMP OPPORT		01.0 TO 16.0 CR		
	PREREQ SPECIAL STANDING OR CONSENT OF INSTR				
1	TO BE ARRANGED		0406 102		VIECELI LOUIS
417	REHB-ECON DEPRIVED		04.0 CR		
1	05.45-09.15	W	0406 102		SCHUMACHER BROCKMAN
486	INTRO BEHAV MOD		04.0 CR		
1	01.00-02.50	M W	AG 150		CAMPBELL
490	READINGS IN REHB		01.0 TO 06.0 CR		
	PREREQ CONSENT CF INSTR				
1	TO BE ARRANGED				
501B	REHB ADMINISTRATION		02.0 CR		
	PREREQ CONSENT CF INSTR				
1	06.00-07.50 PM	M	0406 102		LEE ROBERT EDWARD
521	CHILD BEHAVIOR		04.0 CR		
	PREREQ CONSENT CF INSTRUCTOR				
1	03.00-04.50	M W	AG 188		POPPE
526	COMPLEX BEHAVIOR		04.0 CR		
	PREREQ REHB 520				
1	07.35-09.15 PM	T TH	WHAM 301B		HAKES DON F
532	ASSES PROC IN REHB		03.0 TO 04.0 CR		
	PREREQ INTRODUCTORY STATISTICS				
1	09.00-10.50	M W	ABBITT 129		GARDNER MARGARET S
533	BEHAVIOR CHANGE		04.0 CR		
	PREREQ REHB 520				
1	02.00-03.50	F	WHAM 231		SANDERS RICHARD M

555	REHAB COUNS-MEN RET	02.0 CR			
	PREREQ REHB 551 CR CCNCURRENT ENR IN				
	REHB 551				
1	01.00-02.50 M	WHAM	301B	COYLE FRANK A JR	
556	GROUP PROCEDURES	02.0 TO 04.0 CR			
	PREREQ REHB 551				
1	05.45-09.00 TH	WHAM	210	GRENFELL JOHN E	
564	SEXUAL BEHAVIOR	04.0 CR			
	PREREQ CONSENT OF INSTRUCTOR				
1	07.35-09.15 PM T TH	WHAM	205	RUBIN HARRIS	
571	SEM IN SEL TOPICS	01.0 TO 06.0 CR			
	PREREQ CONSENT OF DEPT				
1	01.00-02.50 W	WHAM	301B	RENZAGLIA	
576	SEM IN BEHAV MODIFI	01.0 TO 12.0 CR			
	PREREQ CONSENT OF INSTR				
1	03.00-04.50 T	WHAM	329	CAMPBELL	
578	SEM IN CORR REH CO	01.0 TO 06.0 CR			
	PREREQ CONSENT OF INSTR				
1	TO BE ARRANGED			GRENFELL JOHN E	
585A	PRACTICUM IN REHAB	01.0 TO 12.0 CR			
1	TO BE ARRANGED			LEE ROBERT EDWARD	
585B	PRACTICUM IN REHAB	01.0 TO 12.0 CR			
1	TO BE ARRANGED			CAMPBELL	
585C	PRACTICUM IN REHAB	01.0 TO 24.0 CR			
1	TO BE ARRANGED			SCHUMACHER BROCKMAN	
589	INTERNSHIP IN REHAB	00.0 TO 12.0 CR			
	PREREQ REHB 585 AND CCNSENT OF DEPT				
1	TO BE ARRANGED			GARDNER MARGARET S	
590	INDEPENDENT PROJ	01.0 TO 16.0 CR			
	PREREQ CONSENT OF INSTR				
1	TO BE ARRANGED				
591	RESEARCH IN REHAB	01.0 TO 16.0 CR			
	PREREQ CONSENT OF INSTR				
1	TO BE ARRANGED				
599	THESIS	01.0 TO 09.0 CR			
	PREREQ CONSENT OF INSTR				
1	TO BE ARRANGED				

Religious Studies (RELS)

301	CONT WEST REL THOT	03.0 CR			
1	02.00 T TH	WHAM	205	HAYWARD JOHN F	
	02.00 F	WHAM	203	HAYWARD JOHN F	
320B	BIBLICAL STUDIES	03.0 CR			
	PREREQ JUNIOR STANDING OR CONSENT OF INSTRUCTOR				
1	09.00 M W F CL		326	SMITH LEMUEL E	

Secondary Education (S ED)

310	HIST PRIN OF SEC ED	04.0 CR			
	PREREQ GUID 305/PSYC 303, ADMISSION TO TCHR ED PROGRAM				
1	08.00 M WTHF	WHAM	326		
2	09.00 M WTHF	WHAM	208		
3	09.00 M WTHF	WHAM	228	MEES	
4	10.00 M WTHF	WHAM	326	BUSER	
	RESTRICTED TO CONCURRENT ENROLLMENT IN S ED 315 SECT 2				
5	10.00 M WTHF	WHAM	201		
6	11.00 M WTHF	WHAM	326	AIKMAN	
7	12.00 M WTHF	WHAM	326	WELDON	
8	01.00 M WTHF	WHAM	326	ANTONELLI	
9	02.00 M WTHF	WHAM	326	FLIGOR ROSS JEAN	
10	02.00 M WTHF	WHAM	201	AIKMAN	
11	03.00 M WTHF	WHAM	326	MILLER	
12	04.00 M WTHF	WHAM	203	WELDON	
13	05.45-07.25 M W	WHAM	112		
14	05.45-07.25 T TH	WHAM	321		
312	INSTR ANAL+FIELD WK	02.0 TO 08.0 CR			
	PREREQ ADMISSION TO TEACHER EDUCATION PROGRAM				
1	TO BE ARRANGED				

315	SEC SCOL TEACH METH	04.0 CR	
	PREREQ S ED 310 CR CONCURRENT ENROLL		
1	09.00 M WTHF WHAM 319 WELDON		
2	11.00 M WTHF WHAM 328 FLIGOR		
	RESTRICTED TO CONCURRENT ENROLLMENT IN S		
	ED 310 SECT 4		
3	12.00 M WTHF WHAM 329 GRAZIANO		
352	SEC STUD TCH	08.0 TO 16.0 CR	
1	TO BE ARRANGED		
	AGRICULTURE		
2	TO BE ARRANGED		
	ART		
3	TO BE ARRANGED		
	BIOLOGY		
4	TO BE ARRANGED		
	BUSINESS		
5	TO BE ARRANGED		RICE W MANION
	CHEMISTRY		
6	TO BE ARRANGED		
	ECONOMICS		
7	TO BE ARRANGED		
	ENGLISH		
8	TO BE ARRANGED		
	FOREIGN LANGUAGES		
9	TO BE ARRANGED		
	GENERAL SCIENCE		
10	TO BE ARRANGED		WILLIAMS JOHN F
	GEOGRAPHY		
11	TO BE ARRANGED		
	GOVERNMENT		
12	TO BE ARRANGED		
	HEALTH EDUCATION		
13	TO BE ARRANGED		
	HISTORY		
14	TO BE ARRANGED		
	HOME ECONOMICS		
15	TO BE ARRANGED		
	INDUSTRIAL EDUCATION		
16	TO BE ARRANGED		
	JOURNALISM		
17	TO BE ARRANGED		
	MATHEMATICS		
18	TO BE ARRANGED		TAYLOR CHARLES C
	MUSIC		
19	TO BE ARRANGED		
	PHYSICAL EDUCATION		
20	TO BE ARRANGED		
	PHYSICS		
21	TO BE ARRANGED		
	SOCIOLOGY		
22	TO BE ARRANGED		
	SOCIAL STUDIES		
23	TO BE ARRANGED		
	SPEECH		
24	TO BE ARRANGED		COX DOROTHY J
	INSTRUCTIONAL MATERIALS		
25	TO BE ARRANGED		
	LANGUAGE ARTS		
375A	IND RES-CURRICULUM	02.0 TO 04.0 CR	
1	TO BE ARRANGED		
375B	IND RES-SUPERVISION	02.0 TO 04.0 CR	
1	TO BE ARRANGED		
375C	IND RES-LANG ARTS	02.0 TO 04.0 CR	
1	TO BE ARRANGED		
375D	IND RES-SCIENCE	02.0 TO 04.0 CR	
1	TO BE ARRANGED		
375E	IND RES-READING	02.0 TO 04.0 CR	
1	TO BE ARRANGED		
375F	IND RES-SOC STUDIES	02.0 TO 04.0 CR	
1	TO BE ARRANGED		

375G	IND RES-PROB S ED	02.0 TO 04.0 CR	
1	TO BE ARRANGED		
375H	IND RES-JR HIGH MET	02.0 TO 04.0 CR	
	PREREQ CONSENT CF DEPT		
1	TO BE ARRANGED		
407A	MID + JR HIGH SCH	04.0 CR	
1	09.00 M WTHF WHAM	328	
440	TEACH READ IN H S	04.0 CR	
	PREREQ GUID 305		
1	09.00 MTWTH WHAM	326	DUSENBERY MIRIAM C
2	01.00 MTWTH WHAM	329	
485	PRIN-PHIL VO TEC ED	03.0 CR	
	PREREQ STUDENT TEACHING OR CONSENT OF DEPARTMENT		
1	06.00-08.30 PM M	TECH D 130	RAMP WAYNE S
487	TCH NAT SCI-SEC SCH	04.0 CR	
	PREREQ S ED 310 CR CONCURRENT		
1	09.00 M WTHF PULL	304	JAMES
488	SOC ST IN SEC SCH	04.0 CR	
	PREREQ S ED 310 CR CONCURRENTLY		
1	11.00 M WTHF WHAM	319	
2	12.00 M WTHF PULL	43	
507	READINGS IN READING	02.0 TO 04.0 CR	
	PREREQ CONSENT CF INSTR		
1	TO BE ARRANGED		HILL MARGARET
508	DEVELOP SEL AREAS	04.0 CR	
1	06.30-09.00 PM T	WHAM 326	MEES JOHN D
509	PRACTICUM IN RD	04.0 TO 08.0 CR	
	PREREQ S ED 521C		
1	TO BE ARRANGED		FISHCO
510	SEM PROBS READING	04.0 TO 08.0 CR	
	PREREQ CONSENT CF INSTR		
1	06.30-09.00 PM TH	WHAM 212	HILL MARGARET
516	INTERN IN READING	04.0 TO 12.0 CR	
	PREREQ S ED 509 AND 514		
1	TO BE ARRANGED		HILL MARGARET
521B	DIAG-CORR READ DIS	04.0 CR	
	PREREQ 505 OR 44C OR CCNCURRENT REG WITH 505 + TEACH EXPER		
1	09.00-11.30 S	WHAM 144	HILL MARGARET
561	CURRICULUM	04.0 CR	
1	06.30-09.00 PM M	WHAM 301B	FISHBACK
572	RES + EVAL IN S ED	04.0 CR	
	PREREQ ADVANCED STANDING AND CONSENT OF INSTR		
1	06.30-09.00 PM T	WHAM 319	BUSER
575A	IND RES-CURRICULUM	02.0 TO 04.0 CR	
1	TO BE ARRANGED		ALSTON
575B	IND RES-SUPERVISION	02.0 TO 04.0 CR	
1	TO BE ARRANGED		ALSTON
575C	IND RES-LANG ARTS	02.0 TO 04.0 CR	
1	TO BE ARRANGED		DUSENBERY MIRIAM C
575D	IND RES-SCIENCE	02.0 TO 04.0 CR	
1	TO BE ARRANGED		JAMES
575E	IND RES-READING	02.0 TO 04.0 CR	
1	TO BE ARRANGED		HILL MARGARET
575F	IND RES-SOC STUDIES	02.0 TO 04.0 CR	
1	TO BE ARRANGED		MILLER
575G	IND RES-SEC EDUC	02.0 TO 04.0 CR	
1	TO BE ARRANGED		ALSTON
575K	IND RES-JR H METHOD	02.0 TO 04.0 CR	
1	TO BE ARRANGED		ALSTON
596	INDEPENDENT INVEST	05.0 TO 09.0 CR	
1	TO BE ARRANGED		OLIVA + HILL
598	PRACTICUM	02.0 TO 12.0 CR	
	PREREQ CONSENT CF DEPT		
1	TO BE ARRANGED		OLIVA
599	THESIS	03.0 TO 09.0 CR	
1	TO BE ARRANGED		OLIVA + HILL
600	DISSERTATION	01.0 TO 48.0 CR	
1	TO BE ARRANGED		OLIVA + HILL

Secretarial and Business Education (SEC)

201A	TYPEWRITING				03.0 CR	
1	09.00	TWTHF	CL		13	
2	01.00	M WTHF	CL		13	
3	04.00	MTWTH	CL		13	
201B	TYPEWRITING				03.0 CR	
	PREREQ SEC 201A	CR EQLIV				
1	09.00	TWTHF	CL		13	
2	01.00	M WTHF	CL		13	
3	04.00	MTWTH	CL		13	
201C	TYPEWRITING				03.0 CR	
	PREREQ SEC 201B	CR EQLIV				
1	03.00	MTWTH	CL		13	BUBOLTZ
221A	SHORTHAND-TRANS				04.0 CR	
1	02.00	MTWTHF	CL		17	
221B	SHORTHAND-TRANS				04.0 CR	
	PREREQ SEC 221A	CR EQLIV				
1	02.00	MTWTHF	CL		21	
221C	SHORTHAND-TRANS				04.0 CR	
	PREREQ SEC 221B	CR EQLIV				
1	02.00	MTWTHF	CL		13	
241	DUPLICATING				01.0 CR	
	PREREQ SEC 201	CR EQUIV				
1	08.00-09.50	F	CL		21	
2	10.00-11.50	F	CL		21	
3	12.00-01.50	M	CL		21	
4	03.00-04.50	M	CL		21	
242	CALC MACH ACCTANTS				01.0 CR	
1	10.00	T TH	CL		17	BAUERNFEIND HARRY B
243	KEYPUNCH				01.0 CR	
	PREREQ SEC 201A	CR EQLIV				
1	10.00	M	CL		21	BURGER
2	11.00	M	CL		21	BURGER
304	ADV TYPEWRITING				03.0 CR	
	PREREQ SEC 201-9					
1	10.00	TWTHF	CL		13	BURGER OPAL JUNE
324A	ADV SHORTHAND-TRANS				04.0 CR	
	PREREQ SEC 221C	CR EQLIV				
1	12.00	MTWTHF	CL		13	BURGER
324B	ADV SHORTHAND-TRANS				04.0 CR	
	PREREQ SEC 324A	CR EQLIV				
1	12.00	MTWTHF	CL		17	ANDERSON
326	EXECUTIVE SEC PROC				04.0 CR	
	PREREQ SEC 304					
1	11.00	MTWTHF	CL		13	BAUERNFEIND HARRY B
341	OFFICE CALC MCHNS				04.0 CR	
1	01.00	MTWTHF	CL		17	RAHE
403	TEACH TYPEWRITING				03.0 CR	
	PREREQ SEC 304	CR EQUIV				
1	04.00	TWTH	CL		21	RAHE
404	TEACHING SHORTHAND				03.0 CR	
	PREREQ SEC 324A	CR EQLIV				
1	06.00-07.25 PM	M W	CL		13	GARRISON
406	TCH OF PR-MACH /P/				04.0 CR	
	PREREQ SEC 341	CR EQUIV				
1	09.00	MTWTH	CL		17	BAUERNFEIND HARRY B
427	RECORDS ADMIN				04.0 CR	
	PREREQ SEC 407					
1	05.45-07.25	T TH	CL		17	BAUERNFEIND
485	PRIN-PHIL VO TEC ED				03.0 CR	
	PREREQ STUDENT TEACHING OR CONSENT OF DEPARTMENT					
1	06.00-08.30 PM	M	TECH A	208		BAUERNFEIND
503	TEST-MEAS BUS EDUC				04.0 CR	
	PREREQ GUID 422A	CR MATH 410A				
1	09.00-11.30	S	CL		21	JACOBSON
590	READINGS IN BUS ED				02.0 TO 05.0 CR	
	PREREQ CONSENT CF INSTR					
1	TO BE ARRANGED					RAHE HARVES

591 IND RES IN BUS ED 02.0 TO 05.0 CR
 PREREQ CONSENT OF INSTR
 1 TO BE ARRANGED RAHE HARVES

Sociology (SOC)

301 PRINCIPLES OF SOC 04.0 CR
 PREREQ JR STANDING
 1 03.00-04.50 M W WHAM 317 MARTIN
 SECT 1 RESERVED FOR SOC MAJORS

302 CONTEMP SOC PROB 04.0 CR
 PREREQ ONE COURSE IN SOC
 1 01.00 MTWTH LS I 205 MCDONALD

308 STAT FOR SOC SCI 04.0 CR
 PREREQ JR STANDING OR CONSENT OF INSTR
 1 03.00 MTWTH LS I 205 DUBECK

312 ELEM SOC RESEARCH 04.0 CR
 PREREQ SOC 308 CR EQUIV OR CONSENT OF INSTR
 1 01.00 TWTHF LS I 323
 SECT 1 RESERVED FOR SOC MAJORS
 2 01.00 TWTHF LS I 323 RAINEY MICHAEL L
 3 04.00 TWTHF 0861 102 BJORKMAN NILS-MAGNUS

332 SOCIAL ORGANIZATION 04.0 CR
 PREREQ SOC 301
 1 10.00-11.50 T TH LS II 450 NALL
 SECT 1 RESERVED FOR SOC MAJORS

371 POPUL + MIGRATION 04.0 CR
 PREREQ SOC 301 CR CONSENT OF INSTR
 1 08.00-09.50 T TH WHAM 317 GASTON
 SECT 1 RESERVED FOR SOC MAJORS

374 SOCIOLOGY OF ED 04.0 CR
 PREREQ 3SB 201B CR SOC 301
 1 12.00-01.50 T TH WHAM 210 MARTIN

375 SOCIAL WELFARE 04.0 CR
 PREREQ 3SB 201B CR SOC 301
 1 09.00 TWTHF 0720 103 EADES JOSEPH
 2 11.00 T THF LS I 205 EADES JOSEPH
 11.00 W WHAM 201

383 INTROD INTERVIEWING 04.0 CR
 PREREQ 3SB 201B CR SOC 301
 1 12.00 MT THF WHAM 203 BRELJE MARTHA ELAINE
 2 10.00 MT THF LS I 323 BROWN FOSTER S JR

396 READINGS IN SOC 01.0 TO 05.0 CR
 PREREQ CONSENT OF INSTR
 1 TO BE ARRANGED

396H HONORS READINGS-SOC 01.0 TO 04.0 CR
 PREREQ CONSENT OF DEPARTMENT
 1 TO BE ARRANGED

397H HONORS SEM IN SOC 03.0 TO 06.0 CR
 PREREQ CONSENT OF DEPARTMENT
 1 02.00-04.30 T WHAM 212 NALL

406 SOCIAL CHANGE 04.0 CR
 PREREQ TWO COURSES IN SOC OR CONSENT OF INSTR
 1 10.00-11.50 T TH LS II 146 DUBECK
 SECT 1 RESERVED FOR SOC MAJORS

454 SOCIOLOGY OF SCIENC 04.0 CR
 PREREQ TWO COURSES IN SOC OR CONSENT OF INSTR
 1 01.00-02.50 T TH AG 144 GASTON JERRY C

473 JUVENILE DELIN 04.0 CR
 PREREQ TWO COURSES IN SOC OR PSYC OR CONSENT OF INSTR
 1 12.00 MTWTH WHAM 205 ALIX ERNEST K

481 PROC IN SOC WORK 04.0 CR
 PREREQ SOC 375 OR CONSENT OF INSTR
 1 01.00 MT THF WHAM 228 BRELJE MARTHA ELAINE

482 SOC WK-SEL AGENCIES 03.0 CR
 PREREQ SOC 481 AND CONSENT OF INSTR
 1 12.00 MT F WHAM 301A BROWN FOSTER S JR

483	PROB IN CORRECTIONS	04.0 CR				
	PREREQ SOC 472 OR CONSENT OF INSTR					
1	TO BE ARRANGED					JOHNSON
489A	PROBATION-PAROLE	04.0 CR				
	PREREQ SOC 481 OR CONSENT OF INSTR					
1	TO BE ARRANGED					EYON
489E	INDEPT STUDY CORR	02.0 TO 04.0 CR				
	PREREQ CONSENT OF INSTR					
1	TO BE ARRANGED					JOHNSON + EYNON
498H	HONORS IND RESEARCH	01.0 TO 04.0 CR				
	PREREQ CONSENT OF DEPARTMENT					
1	TO BE ARRANGED					
501	SURVEY SOCIOL THEO	04.0 CR				
	PREREQ SOC 451 OR CONSENT OF INSTR					
1	TO BE ARRANGED					MUNCH
502	EUR THEO 1800-1910	04.0 CR				
	PREREQ 15 HRS SOC OR CONSENT OF INSTR					
1	TO BE ARRANGED					MUNCH PETER ANDREAS
527	QUANT METHODS II	04.0 CR				
	PREREQ SOC 526 CR EQUIV					
1	TO BE ARRANGED					HAWKES
529	SOC MEASUREMENT	04.0 CR				
	PREREQ SOC 412 AND CONSENT OF INSTR					
1	TO BE ARRANGED					HAWKES
538	SEM INDUSTRIAL SOC	04.0 CR				
	PREREQ 15 HRS OF SOC OR CONSENT OF INSTR					
1	10.00-11.50 T F AG	170				ROSSEL ROBERT D
542	SEM FAMILY	04.0 CR				
	PREREQ 15 HRS SOC, INCLUDING SOC 340, OR CONSENT OF INSTR					
1	08.00-10.50 W WHAM	231				LANTZ
561	ALCOHOL AND SOCIETY	04.0 CR				
	PREREQ CONSENT OF INSTR					
1	07.00-09.30 PM T CL	326				SNYDER
583	SUPER FIELD WK CORR	04.0 TO 12.0 CR				
	PREREQ CONSENT OF INSTR					
1	TO BE ARRANGED					JOHNSON + EYNON
591	INDIVIDUAL RESEARCH	02.0 TO 06.0 CR				
	PREREQ CONSENT OF INSTR AND DEPT CHAIRMAN					
1	TO BE ARRANGED					
596	READINGS IN SOC	02.0 TO 12.0 CR				
	PREREQ CONSENT OF INSTR AND DEPT CHAIRMAN					
1	TO BE ARRANGED					
599	THESIS	02.0 TO 09.0 CR				
	PREREQ CONSENT OF DEPT CHAIRMAN					
1	TO BE ARRANGED					
600	DISSERTATION	01.0 TO 48.0 CR				
	PREREQ CONSENT OF DEPT CHAIRMAN					
1	TO BE ARRANGED					

Special Education (SP E)

406	TECH INT HEAR TESTS	04.0 CR				
	PREREQ SP+A 416 OR CONSENT OF INSTR					
1	09.00 MT THF COMM	1006				
	CROSS-LISTED WITH SP+A 406					
410A	PROB + CHAR-EMC CHI	04.0 CR				
	PREREQ SP E 414					
1	02.00 M W WHAM	302				THOMPSON
	02.00 T PULL	38				
	02.00 TH H EC	206				
	ADMISSION TO TEACHER EDUCATION PROGRAM REQUIRED					
410B	PROB CHAR MENT RET	04.0 CR				
	PREREQ SP E 414					
1	03.00 MTWTH WHAM	302				STEPHENS WYATT E
	ADMISSION TO TEACHER EDUCATION PROGRAM REQUIRED					

410C	PROB CHAR GIFT CHLD		04.0 CR		
	PREREQ PSYC 301 CR 303 OR CONSENT OF INSTR				
1	06.30-09.00 PM	TH	WHAM	203	CASEY JOHN P
411	ASS + REMED LRN DIS		04.0 CR		
	PREREQ SP E 414 AND CCNSENT OF INSTR				
1	06.30-09.00 PM	M	WHAM	228	JOINER LEE M
413A	DIR OBSER-EMOT DIST		04.0 CR		
	PREREQ CONSENT OF INSTR				
1	06.00-08.00 PM	W	WHAM	301B	JACOBS
413B	DIR OB OF MR CHLD		04.0 CR		
	PREREQ CONSENT OF INSTR				
1	10.00-12.50	T	WHAM	231	RAINEY
414	THE EXCEPT CHLD		04.0 CR		
	PREREQ PSYC 301 CR 303 OR CONSENT OF INSTR				
1	11.00	MTWTH	LAWSON	221	THOMPSON
	UNDERGRADUATES ONLY (SECT. 1)				
2	01.00	MTWTH	LAWSON	221	
	UNDERGRADUATES ONLY (SECT. 2)				
3	06.30-09.00 PM	W	WHAM	308	JACOBS
	GRADUATES ONLY (SECT. 3)				
4	06.30-09.00 PM	T	LAWSON	221	
420A	MET + MAT-ED EM DIS		04.0 CR		
	PREREQ SP E 410A AND CCNSENT OF INSTR				
1	04.00	MTWTH	WHAM	328	JUUL
420B	METH + MAT TEACH MR		04.0 CR		
	PREREQ SP E 410B AND CCNSENT OF INSTR				
1	02.00-03.50	T TH	WHAM	231	
496	READ + INDEP STUDY		02.0 TO 08.0 CR		
	PREREQ SP E 414 AND CCNSENT OF STAFF				
1	TO BE ARRANGED				
501A	SP RESEARCH PROB		04.0 CR		
	PREREQ CONSENT OF DEPT				
1	TO BE ARRANGED				JOINER
	PART ONE OF TWC COURSE SEQUENCE				
518S	WKSHIP-ADM SP E PROG		02.0 TO 04.0 CR		
	PREREQ SP E 414				
1	06.30-09.00 PM	W	WHAM	231	MORGAN
577	PRACTICUM IN SP ED		04.0 TO 12.0 CR		
	PREREQ SP E 410A, B, C, OR D, AND CONSENT OF STAFF				
1	TO BE ARRANGED				
580A	ED MALAD CHILDREN		04.0 CR		
	PREREQ SP E 414 AND CCNSENT OF INSTR				
1	06.00-09.30 PM	T	WHAM	329	CROWNER JAMES
580B	ED OF MENT RET		04.0 CR		
	PREREQ SP E 414 AND CCNSENT OF INSTR				
1	06.30-09.00 PM	T	WHAM	301A	STEPHENS
591	SEM ED-PHYS HDCP CH		04.0 CR		
	PREREQ SP E 414 AND CCNSENT OF INSTR				
1	TO BE ARRANGED				MORGAN HOWARD G
596	IND INVESTIGATION		05.0 TO 09.0 CR		
1	TO BE ARRANGED				
599	THESIS		02.0 TO 09.0 CR		
1	TO BE ARRANGED				
600	DISSERTATION		01.0 TO 48.0 CR		
1	TO BE ARRANGED				CROWNER JAMES

Speech (SPCH)

102	PUBLIC SPEAKING		04.0 CR		
	PREREQ GSD 103				
1	02.00	MTWTH	COMM	1020	HIBBS RICHARD PAUL
2	03.00	MTWTH	COMM	1020	
104	TRAINING SPKG VOICE		04.0 CR		
	PREREQ GSD 103				
1	10.00	MT THF	COMM	1006	
	CROSSLISTED WITH SP+A 104				
200	PHONETICS		04.0 CR		
1	02.00	MTWTH	COMM	1017	GARBUTT CAMERON W

201	PARLIAMENTARY LAW			02.0 CR	
1	11.00	M	F	COMM 1020	BRENIMAN LESTER R
202	PRIN OF DISCUSSION			03.0 CR	
1	03.00	MT	TH	COMM 1018	POTTER DAVID J
2	03.00	TW	F	COMM 1021	GOODIEL EUNICE P
203	INTERPERSONAL COMM			04.0 CR	
	PREREQ GSD 103 CR EQUIV				
1	09.00	M	W	PHY SA 258	SANDERS
	09.00	T	TH	WHAM 301A	
205	ARGUMENT DEBATE			04.0 CR	
1	10.00		TWTH	LS II 350	KLEINAU
	10.00	M		TECH A 222	
209	FORENSIC ACTIVITIES			01.0 CR	
	PREREQ CONSENT OF INSTR				
1	10.00		S	COMM 2008	
301	PERSUASION			04.0 CR	
1	02.00	MTW		COMM 1018	SMITH
	02.00		TH	TECH D 131	
2	02.00	MTWTH		AG 188	JENNINGS
303	BUS PROF SPEAKING			04.0 CR	
1	03.00	M	W	COMM 2012	WILEY
	03.00		T TH	COMM 1022	
304	GREAT SPEECHES			03.0 CR	
1	01.00	M	W F	COMM 1018	
309	FORENSIC ACTIVITIES			01.0 CR	
	PREREQ CONSENT OF INSTR				
1	10.00		S	COMM 2008	SANDERS
311	COMM + SOC PROCESS			04.0 CR	
	PREREQ SPCH 203				
1	09.00	MTWTH		COMM 1017	
323	ORAL INTERP II			04.0 CR	
	PREREQ GSC 200 CR CONSENT OF INSTR				
1	11.00	MTW	F	COMM 1018	FISH
	11.00		TH	PHY SA 258	
2	12.00	MTWTHF		COMM 2012	
331	PR POLICIES + PRACT			03.0 CR	
	PREREQ JUNIOR STANDING				
1	02.00	M	W F	LAWSON 231	WILEY
401	CREATIVE DRAMATICS			04.0 CR	
1	09.00	MTWTH		COMM 1020	BRADLEY LYNN R
407B	AMER PUBLIC ADDRESS			04.0 CR	
1	10.00-11.50		T TH	COMM 2012	BRADLEY EARL EDESEL
418	BRITISH PUB ADDRESS			04.0 CR	
1	06.00-09.00 PM	M		COMM 1021	MICKEN RALPH A
423	ORAL INTERP POETRY			04.0 CR	
	PREREQ GSD 200 AND SPCH 323				
1	10.00-11.50		T TH	COMM 1017	
427	SEC SCHL FOREN PROG			04.0 CR	
1	10.00	M	W F	COMM 1018	BRENIMAN LESTER R
	10.00		TH	COMM 1020	
429	EXP STUD ORAL COM			04.0 CR	
	PREREQ SPCH 428				
1	01.00-02.50	M	W	COMM 1021	SANDERS KEITH R
434	LEC + LEC RECITAL			04.0 CR	
	PREREQ 12 HRS PUBLIC SPEAKING, INTERP, CR THEATRE				
1	10.00-11.50		T TH	H EC 206	
441	TCHG ELEM SCHL SPCH			04.0 CR	
1	08.00-09.50		T	COMM 1018	HIGGINBOTHAM
	08.00-09.50		TH	0720 105	
450B	LAB INTERPER COM			04.0 CR	
1	02.00-03.50		T TH	COMM 2012	PACE THOMAS J
504	MED + REN RHETORIC			04.0 CR	
1	10.00-11.50	M	W	COMM 2012	BRADLEY EARL EDESEL
507B	STUDIES IN PUB ADD			03.0 CR	
	PREREQ SPCH 507A				
1	09.00-11.50		F	COMM 2012	BRADLEY EARL EDESEL
508	SEM STUDIES IN DISC			04.0 CR	
1	07.30-10.00 PM		T	COMM 2002	POTTER DAVID J
510	SEM PERS SOC CNT			04.0 CR	
1	08.00-09.50		T TH	COMM 2012	SMITH

511B	TEACH COLL SPEECH	02.0 CR		
1	01.00 M W	COMM 2012	SMITH	
530	RESEARCH PROBLEMS	01.0 TO 04.0 CR		
1	TO BE ARRANGED		BRADLEY EARL EDESL	
532B	RESEARCH IN SPEECH	02.0 CR		
1	01.00 T TH	COMM 2012	BRADLEY EARL EDESL	
599	THESIS	02.0 TO 09.0 CR		
1	TO BE ARRANGED		MICKEN RALPH A	
600	DISSERTATION	01.0 TO 48.0 CR		
1	TO BE ARRANGED		MICKEN RALPH A	

Speech Pathology and Audiology (SP & A)

100	SPEECH CLINIC	00.0 TO 02.0 CR		
1	TO BE ARRANGED			
104	TRAINING SPK VOICE	04.0 CR		
1	10.00 MT THF	COMM 1006		
	CROSSLISTED WITH SPCH 104			
318	VOICE + CLEFT PAL	04.0 CR		
	PREREQ SP+A 212 CR CONSENT OF INSTR			
1	08.00 MT THF	COMM 1006	BRACKETT I P	
400	IND STUDY-SP+A	01.0 TO 04.0 CR		
	PREREQ ADVANCED STANDING			
1	TO BE ARRANGED		HOSHIKO MICHAEL S	
405B	PRAC SP + HEAR THER	02.0 TO 04.0 CR		
	PREREQ JUNIOR STANDING IN DEPARTMENT			
1	11.00 T TH	COMM 1006	PAGE SUE ANN	
406	HEARING TESTS	04.0 CR		
	PREREQ SP+A 416 CR CONSENT OF INSTR			
1	09.00 MT THF	COMM 1006	MC FARLAND	
412	CEREBRAL PALSY	04.0 CR		
	PREREQ SP+A 212, 414 CR CONSENT OF INSTR			
1	01.00 MT THF	COMM 1006	PAGE SUE ANN	
414	PHYSIOL OF SPEECH	04.0 CR		
1	10.00-11.50 F	LS I 118	KAPLAN H M	
	10.00 MT TH	LS I 113	KAPLAN H M	
	CROSSLISTED WITH PHSL 414			
419	COMM PROB OF H OF H	04.0 CR		
	PREREQ SP+A 406 CR CONSENT OF INSTR			
1	02.00 MT THF	COMM 1006		
428	SP CORR FOR CL TCH	04.0 CR		
	PREREQ PRACTISING TEACHER, SR OR GRAD IN EDUC			
1	03.00 MTWTH	COMM 1006	GARBUTT CAMERON W	
515	READINGS IN SP+A	01.0 TO 04.0 CR		
	PREREQ ADVANCED STANDING			
1	TO BE ARRANGED		BRACKETT I P	
516	SEM-PSYCHOACOUSTICS	04.0 CR		
	PREREQ SP+A 406, 416 AND 420			
1	04.00-05.50 T F	COMM 1009	COPELAND ALFRED	
522B	SEM-ORG SPCH PROB	01.0 TO 04.0 CR		
	PREREQ SP+A 522A CR CONSENT OF INSTR			
1	04.00-05.50 M TH	COMM 1008	KOEPP-BAKER HERBERT	
524	SEM-LANG DISORDERS	04.0 CR		
	PREREQ GRADUATE STANDING			
1	02.00-03.50 M TH	COMM 1009	PAGE SUE ANN	
529B	SEM IN ST BEHAVIOR	01.0 TO 04.0 CR		
	PREREQ SP+A 529A CR CONSENT OF INSTR			
1	02.00-03.50 T F	COMM 1009	BRUTTEN GENE JEROME	
530	RES PROB IN SP+A	01.0 TO 04.0 CR		
	PREREQ ADVANCED STANDING			
1	TO BE ARRANGED		BRUTTEN GENE JEROME	
533	SEM IN SPCH SCIENCE	01.0 TO 04.0 CR		
1	10.00-11.50 T F	COMM 1009	HOSHIKO MICHAEL S	
599	THESIS	02.0 TO 09.0 CR		
1	TO BE ARRANGED		KOEPP-BAKER HERBERT	
600	DISSERTATION	01.0 TO 48.0 CR		
1	TO BE ARRANGED		KOEPP-BAKER HERBERT	

Theater	(THEA)							
111A	STAGING TECHNIQUES				03.0 CR			
1	09.00	M	F	TECH A	111	HENDREN PHILIP R		
	03.00-04.50	M		COMM	1037	HENDREN PHILIP R		
	09.00		W	LAWSON	131			
2	09.00	M	F	TECH A	111	HENDREN PHILIP R		
	03.00-04.50		W	COMM	1037	HENDREN PHILIP R		
	09.00		W	LAWSON	131			
3	09.00	M	F	TECH A	111	HENDREN PHILIP R		
	03.00-04.50		F	COMM	1037	HENDREN PHILIP R		
	09.00		W	LAWSON	131			
203	VOICE AND DICTION				04.0 CR			
1	09.00	M	TH	COMM	13F	GARBUTT CAMERON W		
	09.00		T	ABBOTT	129	GARBUTT CAMERON W		
	09.00		W	COMM	2012	GARBUTT CAMERON W		
208	DRAMATIC ACTIVITIES			01.0 TO 03.0 CR				
1	07.35-09.00 PM		T TH	COMM	1045	ZOECKLER CHARLES W		
213	STAGE MOVEMENT				03.0 CR			
1	12.00		MTWTHF	COMM	1045	LEWIS, NANCY		
217	ACTING				04.0 CR			
1	01.00-02.50		T TH	COMM	1045	HARRISON EELIN S		
230B	INTERMED+ADV BALLET				02.0 CR			
	PREREQ THEA 230A CR CONSENT OF INSTR							
1	04.00-05.30	M	W	0813	101	DAVIDSON, ELLEVA J		
	04.00		T	0813	101	DAVIDSON ELLEVA J		
240	THEO-TECH CONT DANCE			02.0 TO 24.0 CR				
1	10.00		MTWTH	0813	101	GRAY WINSTON G		
	CROSS-LISTED WITH PEM 240							
273	DANCE WORKSHOP				02.0 CR			
1	05.30-07.30		T TH	0813	101	GRAY WINSTON G		
2	07.30-09.30 PM		T TH	0813	101	LEWIS, NANCY		
305	STAGE MAKE-UP				02.0 CR			
1	10.00-11.50		W S	COMM	1055	HORN BOBBY E		
308	DRAMATIC ACTIVITIES			01.0 TO 03.0 CR				
1	07.35-09.00 PM		T TH	COMM	1037	ZOECKLER CHARLES W		
309	TEACHING DANCE				05.0 CR			
	PREREQ PEW 212 AND 222 OR EQUIV							
1	08.00		MTWTHF	0813	101	DAVIDSON		
2	08.00		MTWTHF	GYM	114	DAVIES		
313	DANCE PRODUCTION				04.0 CR			
1	02.00-03.50		T TH	0813	101	GRAY WINSTON G		
317	INTERMEDIATE ACTING				04.0 CR			
	PREREQ THEA 217							
1	01.00-02.50	M	W	COMM	1045	HARRISON EELIN S		
322	THEATER PRACTICUM			02.0 TO 12.0 CR				
1	TO BE ARRANGED					GRAY WINSTON G		
400	THEATER PROBLEMS				00.0 CR			
1	05.00		TH	COMM	1045			
402A	PLAY DIRECTING				04.0 CR			
1	08.00		MTW F	COMM	1045	ZOECKLER		
	THE ABOVE SECTION FOR SPCH STUDENTS ONLY							
2	03.00		MTW F	COMM	1045	ABRAMS		
402B	PLAY DIRECTING				04.0 CR			
1	11.00		MT THF	COMM	1045	ABRAMS SHERWIN		
405A	SCENIC IMAGINATION				04.0 CR			
	PREREQ SENIORS + GRADS ONLY							
1	10.00-11.50	M	W	COMM	2042	GORELIK MORDECAI		
409	H S THEATRE				04.0 CR			
1	01.00		T TH	AG	188	ZOECKLER CHARLES W		
	01.00	M	W	ABBOTT	129	ZOECKLER CHARLES W		
411	PLAYWRITING				04.0 CR			
	PREREQ THEA 311 + CONSENT OF INSTR							
1	03.00	M	W	AG	144	KOZLENKO WILLIAM		
	03.00		T F	ABBOTT	129	KOZLENKO WILLIAM		
412	STAGE DESIGN				04.0 CR			
	PREREQ THEA 207							
1	09.00		MTW F	COMM	2041	PAYNE DARWIN R		
414	COSTUME DESIGN				04.0 CR			
1	03.00		MT THF	COMM	2041	HARRISON EELIN S		

432	STAGE LIGHTING		04.0 CR	
1	12.00	MTWTH	COMM 1037	HENDREN PHILIP R
503B	STAGE LIGHTING		04.0 CR	
	PREREQ	CONSENT OF DEPT + GRAD STANDING		
1	10.00	MTWTH	COMM 2042	HENDREN
505	THE TRAGIC THEATRE		04.0 CR	
1	02.00	T THF	TECH B 20	ABRAMS SHERWIN
	02.00	W	AG 220	ABRAMS SHERWIN
519	THEATRE PRACTICUM		01.0 TO 12.0 CR	
1	TO BE ARRANGED			GRAY WINSTON G
526	SEM IN THEATRE ARTS		03.0 TO 12.0 CR	
	PREREQ	GRAD STANDING + CONSENT OF DEPARTMENT		
1	09.00-11.50	S	LAWSON 101	MARSHALL, HERBERT
530	RESEARCH PROBLEMS		01.0 TO 04.0 CR	
1	06.00-07.30 PM	W	COMM 1017	MOE, CHRISTIAN H
599	THESIS		01.0 TO 09.0 CR	
1	TO BE ARRANGED			MOE, CHRISTIAN H

Technical & Industrial Education (TIED)

201B	VISUAL COMMUNICATNS		03.0 CR	
1	01.00	M W	PULL I 17	
	01.00-02.50	T	PULL I 17	
2	01.00	M W	PULL I 17	
	01.00-02.50	TH	PULL I 17	
302	CONSTR MTDS PRI TCH		04.0 CR	
1	10.00	TW	PULL I 109	VAN ROOY
	08.00-10.50	M	PULL I 109	
	08.00-09.50	W	PULL I 109	
2	10.00	TW	PULL I 109	
	08.00-09.50	T	PULL I 109	
	08.00-10.50	TH	PULL I 109	
3	01.00	TW	PULL I 109	
	11.00-01.50	M	PULL I 109	
	11.00-12.50	W	PULL I 109	
4	01.00	TW	PULL I 109	
	11.00-12.50	T	PULL I 109	
	11.00-01.50	TH	PULL I 109	
303	DIVERSIFIED CRAFTS		04.0 CR	
1	04.00	TW	PULL I 109	JENKINS
	02.00-04.50	M	PULL I 109	
	02.00-03.50	W	PULL I 109	
2	04.00	TW	PULL I 109	
	02.00-03.50	T	PULL I 109	
	02.00-04.50	TH	PULL I 109	
305A	MATERIALS-PROCESSES		04.0 CR	
1	08.00	M W	PULL I 14	BORTZ
	08.00-09.50	F	PULL I 14	
2	08.00	M W	PULL I 14	BORTZ
	08.00-09.50	T	PULL I 14	
307	ENER CONV-P TRAN II		03.0 CR	
	PREREQ	207		
1	10.00	M F	PULL I 16	SULLIVAN JAMES A
	09.00-10.50	W	PULL I 16	SULLIVAN JAMES A
2	10.00	M F	PULL I 16	
	09.00-10.50	TH	PULL I 16	
310A	ELECTRONICS-INSTRUM		04.0 CR	
1	01.00	M W	TECH D 106	BITTLE RAYMOND E
	01.00-02.50	T	TECH D 106	BITTLE RAYMOND E
2	01.00	M W	TECH D 106	
	01.00-02.50	TH	TECH D 106	
319	INDUSTRIAL INTERN		03.0 TO 24.0 CR	
	PREREQ	CONSENT OF COORDINATOR		
1	TO BE ARRANGED			BITTLE
408	T AIDS IN TECH ED		03.0 CR	
1	06.00-08.30 PM	M	TECH D 130	KENNEKE LARRY
2	06.00-08.30 PM	T	TECH D 130	NYSTROM DENNIS C
419	STU TCH IN TECH PRG		08.0 TO 16.0 CR	
	PREREQ	3 QTR HRS PROFESSIONAL COURSES		
1	TO BE ARRANGED			KENNEKE LARRY

4203	ENTRPRS-MANMACH SYS		04.0 CR	
	PREREQ 420A			
1	03.00	M W	PULL I 14B	NYSTROM
	03.00-04.50	T	PULL I 14B	
421	PRIN ENTRPRS TEACH		03.0 CR	
	PREREQ 16 HOURS IN TIED			
1	11.00	MTW	TECH D 130	ERICKSON
422	CURR DEVEL ENTRPRIS		03.0 CR	
	PREREQ 20 HOURS IN TIED			
1	03.00	MTW	TECH D 130	ERICKSON JOHN HOWARD
425	PRACTICUM IN TECH		02.0 TO 08.0 CR	
	PREREQ 12 HRS IN TECHNICAL SUBJECTS			
1	TO BE ARRANGED			STADT RONALD W
430	SPECIAL PRBLEMS		02.0 TO 08.0 CR	
	PREREQ CONSENT OF INSTRUCTOR			
1	TO BE ARRANGED			STADT RONALD W
485	PRIN-PHIL VO TEC EC		03.0 CR	
	PREREQ .			
1	06.00-08.30 PM	M	TECH A 208	RAMP WAYNE S
488	ANAL FOR OCCUP ED		03.0 CR	
	PREREQ 12 HRS IN TEACHING SPECIALTY			
1	06.00-09.00 PM	TH	TECH A 310	BORTZ RICHARD F
489	ORG OF SUBJ MATTER		03.0 CR	
	PREREQ TIED 488			
1	06.00-08.30 PM	W	TECH A 120	SULLIVAN JAMES A
490	PRIN OCCUP TEACH		03.0 CR	
	PREREQ 12 HRS IN TEACHING SPECIALTY			
1	06.00-08.30 PM	T	TECH A 208	BAILEY LARRY J
540	RESEARCH TECH EDUC		02.0 TO 06.0 CR	
1	09.00-12.00	S	TECH A 208	ERICKSON JOHN HOWARD
541	OCCUP INFO AND GUID		04.0 CR	
1	06.00-09.00 PM	TH	WHAM 201	RAMP WAYNE S
570	SPECIAL INVESTIGAT		02.0 TO 06.0 CR	
1	TO BE ARRANGED			STADT RONALD W
599	THESIS		01.0 TO 09.0 CR	
1	TO BE ARRANGED			STADT RONALD W

University Convocation (UNIV)

200	UNIV CONVOCATION		01.0 CR	
1	01.00	TH	ARENA 555	

Zoology (ZOOL)

309	ELEMENTARY CYTOLOGY		05.0 CR	
	PREREQ 15 HRS OF BIOLOGY			
1	08.00	M W F	LS II 250	HAAS
	08.00-09.50	T TH	LS II 303	
316	INSECT PESTS CONTRL		04.0 CR	
	PREREQ GSA 201B			
1	01.00	M W	LS II 350	MCPHERSON JOHN E
	01.00-02.50	T TH	LS II 304	MCPHERSON JOHN E
2	01.00	M W	LS II 350	MCPHERSON JOHN E
	03.00-04.50	T TH	LS II 304	
317B	DIVERSITY OF ANIMAL		05.0 CR	
	PREREQ ZOOL 317A			
1	08.00	T TH	AG 166	
	08.00-09.50	M W F	LS II 251	
2	08.00	T TH	AG 166	GEORGE WILLIAM
	10.00-11.50	M W F	LS II 251	
3	08.00	T TH	AG 166	GEORGE WILLIAM
	01.00-02.50	M W F	LS II 251	
4	08.00	T TH	AG 166	GEORGE WILLIAM
	03.00-04.50	M W F	LS II 251	
318A	VERTEBRATE ANATOMY		04.0 CR	
	PREREQ ZOOL 317B CR CONSENT OF INSTR			
1	02.00	MTW	LS II 350	
	01.00-02.50	F	LS II 269	
321	HISTOLOGICAL TECHN		05.0 CR	
	PREREQ 1 YR OF BIC SCIENCE OR CONSENT OF INSTRUCTOR			

1	10.00	T TH	LS II	250	MARTAN JAN
	10.00-11.50	M W F	LS II	381	MARTAN JAN
322	PROBLEMS IN ZOOLOGY	02.0 TO 05.0 CR			
	PREREQ	4.25 GPA, SENIOR STANDING, AND DEPT OR FAC APPROVAL			
1	TO BE ARRANGED				
382	ZOOL SENIOR SEMINAR	01.0 TO 03.0 CR			
	PREREQ	SENIOR STANDING			
1	11.00	W	LS II	350	DYER WILLIAM G
2	04.00	T	LS II	228	BEATTY
3	04.00	T	LS II	250	LE FEBVRE
4	11.00	W	LS II	250	MCPHERSON
404	ZOOLOGY FIELD STUD	02.0 TO 08.0 CR			
	PREREQ	CONSENT OF DEPT			
1	TO BE ARRANGED				
406	PROTOZOOLOGY	04.0 CR			
	PREREQ	ZOOL 317A			
1	01.00	T TH	LS II	350	GARDIAN GEORGE
	02.00-03.50	T TH	LS II	369	GARDIAN GEORGE
413	THE INVERTEBRATES	05.0 CR			
	PREREQ	1 YR ZOOL INCLUDING 102			
1	12.00	T TH	LS II	228	BEATTY JOSEPH ALBERT
	11.00-12.50	M W F	LS II	257	BEATTY JOSEPH ALBERT
425A	GENETIC METHODS	02.0 CR			
	PREREQ	BIOL 305			
1	03.00-04.50	M W	LS II	320	ENGLERT
459	GAME BIRDS	04.0 CR			
	PREREQ	ZOOL 317A + 317B OR CONSENT OF INSTR			
1	11.00	T TH	LS II	250	KRULL JOHN N
	08.00-11.50	S	LS II	310	KRULL JOHN N
465	ICHTHYOLOGY	04.0 CR			
	PREREQ	ZOOL 317B			
1	09.00	M W	LS II	250	LEWIS WILLIAM M
	09.00-10.50	T TH	LS II	325	
479	ANIMAL BEHAVIOR	04.0 CR			
	PREREQ	GSA 301 CR 302 CR EQUIV			
1	04.00	M W TH	LS II	250	WARING GEORGE H
	03.00-04.50	F	LS II	250	WARING GEORGE H
	CROSSLISTED WITH AN I 579				
520	ADV INVERTEBRATES	05.0 CR			
	PREREQ	CONSENT OF INSTRUCTOR			
1	10.00	T TH	LS II	304	BLACKWELDER R E
	09.00-10.50	M W F	LS II	304	BLACKWELDER R E
542	OSTEOLOGY	03.0 CR			
	PREREQ	CONSENT OF INSTRUCTOR			
1	03.00-04.50	T TH	LS II	256	GALBREATH
561	GAME MAMMALS	04.0 CR			
	PREREQ	CONSENT OF INSTRUCTOR			
1	10.00	M W	LS I	205	STAINS HOWARD JAMES
	08.00-11.50	F	LS II	310	STAINS HOWARD JAMES
577	POPULATION ECOLOGY	03.0 CR			
	PREREQ	CONSENT OF INSTRUCTOR			
1	08.00	TW TH	LS II	228	KLIMSTRA W D
580	ADV SYSTEMATICS	04.0 CR			
	PREREQ	CONSENT OF INSTRUCTOR			
1	01.00-02.50	M W	LS II	228	BLACKWELDER R E
	CROSSLISTED WITH BCI 581				
582	GRAD ZOOL SEMINAR	01.0 TO 06.0 CR			
1	TO BE ARRANGED				
583B	TEACH ZOOL COLL	01.0 CR			
	PREREQ	GRAD STATUS IN A BIO SCIENCE			
1	05.00	W	LS II	228	GARDIAN GEORGE
585F	SEM-ORNITHOLOGY	01.0 TO 03.0 CR			
	PREREQ	CONSENT OF INSTR			
1	01.00-02.50	T TH	LS II	228	FISHER
585H	SEM-AMPHIBIA	01.0 TO 03.0 CR			
	PREREQ	CONSENT OF INSTR			
1	TO BE ARRANGED				BRANDON

596	SPECIAL RESEARCH	03.0 TO 12.0 CR
	PREREQ CONSENT OF INSTRUCTOR	
1	TO BE ARRANGED	
599	THESIS	02.0 TO 09.0 CR
1	TO BE ARRANGED	
600	DISSERTATION	03.0 TO 48.0 CR
1	TO BE ARRANGED	

SCHEDULE OF VOCATIONAL-TECHNICAL INSTITUTE COURSES

COURSE & SECTION NO.	TITLE & HOURS	DAYS	BLDG. & RM.	INSTRUCTOR
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General Studies Area A—Man's Physical Environment and Biological Inheritance (GSA)

101A	INTRO-PHYS SCIENCE			04.0 CR
901	08.00	MTWTH	M3	103
902	10.00	MTWTH	M3	101
903	01.00	MTWTH	M3	103
904	04.00	MTWTH	M3	101
101B	INTRO-PHYS SCIENCE			04.0 CR
901	11.00	MTWTH	M3	103
902	04.00	MTWTH	M3	103

General Studies Area B—Man's Social Inheritance and Social Responsibilities (GSB)

201B	CULT-SOCIETY BEHAV			04.0 CR
901	09.00	MTWTH	L3	109
902	12.00	MTWTH	L3	109
201C	CULT-SOCIETY-BEHAV			04.0 CR
901	08.00	MTWTH	HI	143
902	09.00	MTWTH	HI	143
903	10.00	MTWTH	HI	143
904	12.00	MTWTH	HI	143
905	01.00	MTWTH	HI	143
906	03.00	MTWTH	AVTECH	117
211A	POLITICAL ECONOMY			04.0 CR
901	10.00	MTWTH	H4	233
902	04.00	MTWTH	H4	233
211B	POLITICAL ECONCMY			04.0 CR
901	08.00	MTWTH	H3	154
902	10.00	MTWTH	H3	154
903	11.00	MTWTH	AVTECH	116
904	12.00	MTWTH	H3	154
905	03.00	MTWTH	HI	143
906	04.00	MTWTH	MI	112

General Studies Area D—Organization and Communication of Ideas (GSD)

101	ENGLISH COMPOSITION			03.0 CR
901	08.00	M W F	H3	153
902	11.00	M W F	H3	153
903	12.00	M W F	H3	153
904	01.00	M W F	H3	153
905	02.00	M W F	H3	153
906	03.00	M W F	H3	153
907	04.00	M W F	AVTECH	116
102	ENGLISH COMPOSITION			03.0 CR
901	09.00	M W F	H3	153
902	10.00	M W F	H3	153
903	10.00	M W F	H9	101
904	11.00	M W F	H3	154
905	12.00	M W F	H4	233
906	01.00	M W F	H9	101
907	02.00	M W F	HI	143
908	03.00	M W F	H9	101
909	04.00	M W F	H3	153

103	ORAL COMM OF IDEAS		03.0	CR	
901	08.00	MTWTH	AVTECH	116	
902	09.00	MTWTH	H9	101	
903	11.00	MTWTH	H9	101	
904	12.00	MTWTH	H9	101	
905	02.00	MTWTH	H9	101	
906	04.00	MTWTH	H9	101	

Mathematics (MATH)

111A	COL ALGEBRA TRIG		05.0	CR	
901	09.00	MTWTHF	MI	112	
902	11.00	MTWTHF	HI	143	
903	12.00	MTWTHF	FI	108	

Accounting (*ACC)

101A	ACCOUNTING		04.0	CR	
1	09.00	M F	FI	111	RICHEY HELEN E
	09.00-10.50	T TH	FI	111	RICHEY HELEN E
2	03.00	M F	FI	111	REYNOLDS ROBERT J
	03.00-04.50	T TH	FI	111	REYNOLDS ROBERT J
3	07.00-09.30 PM	T TH	FI	111	REYNOLDS ROBERT J
101B	ACCOUNTING		04.0	CR	
	PREREQ *ACC 101A				
1	08.00	MTWTHF	FI	108	RICHEY HELEN E
2	09.00	MTWTHF	FI	108	VAUGHN FRANK EUGENE
3	02.00	MTWTHF	FI	108	REYNOLDS ROBERT J
4	03.00	MTWTHF	FI	108	MARKWELL JAMES K
109A	CALC MACH		03.0	CR	
1	10.00	MTWTHF	FI	113	VANCIL ALICE L
2	11.00	MTWTHF	FI	113	VANCIL ALICE L
3	06.30-09.00 PM	M W	FI	113	
109B	CALC MACH		03.0	CR	
1	01.00	MTWTHF	FI	113	JOHNSTON G
126	FUND OF BUSINESS		03.0	CR	
1	01.00	M W F	FI	108	MARKWELL JAMES K
2	06.30-08.00 PM	T TH	FI	108	
204B	COST ACCOUNTING		04.0	CR	
	PREREQ 204A				
1	09.00	MTWTHF	H4	233	MARKWELL JAMES K
226A	BUSINESS LAW		04.0	CR	
1	11.00	MTWTH	H4	233	CUNDIFF JOHN WILLIAM
2	01.00	MTWTH	H4	233	CUNDIFF JOHN WILLIAM
226B	BUSINESS LAW		04.0	CR	
1	02.00	MTWTH	H4	233	CUNDIFF JOHN WILLIAM
227	OFFICE ADMIN + SUP		04.0	CR	
	PREREQ *ACC 126				
1	04.00	MTWTHF	FI	108	MARKWELL JAMES K
233	FEDERAL TAXES		04.0	CR	
	PREREQ *ACC 101C				
1	08.00	MTWTHF	H4	233	MARKWELL JAMES K
235	BUSINESS STATISTICS		04.0	CR	
	PREREQ *ACC 101A, *BC10C				
1	11.00	MTWTHF	FI	111	VAUGHN FRANK EUGENE
2	12.00	MTWTHF	FI	111	VAUGHN FRANK EUGENE

Architectural Drafting (*AD)

110B	ARCHITECT DRAFTING		03.0	CR	
	PREREQ *AD 110A				
1	08.00-10.50	T TH	H EC	304	LOUGEAY PAUL J
2	08.00-10.50	W F	HI	144	LETE JOSEPH R
3	01.00-03.50	M W	H EC	304	RUTLEDGE CLIFTON D
4	01.00-03.50	T TH	MI	108	LETE JOSEPH R
121A	ARCHITECT DESIGN		02.0	CR	
	PREREQ *AD 110A, 146A, OR CONSENT OF ADVISOR				
1	08.00-09.50	W F	MI	108	LOUGEAY PAUL J
2	10.00-11.50	W F	MI	108	LOUGEAY PAUL J
3	02.00-03.50	M W	MI	108	LETE JOSEPH R
146B	FREEHAND ARCH GRAPH		03.0	CR	
1	08.00-10.50	T TH	HI	144	LITTLE HAROLD EDMOND
2	01.00-03.50	T TH	HI	144	LOUGEAY PAUL J

3	01.00-03.50	T TH	H EC	304	LITTLE HAROLD EDMOND
221B	ARCHITECTURAL DES		04.0 CR		
1	08.00-10.50	M W F	MI	113	
2	02.00-04.50	M W F	MI	113	
250B	MATERIALS + METHODS		04.0 CR		
1	08.00-11.50	T TH	MI	113	LETE JOSEPH R
	12.00	W	MI	112	LETE JOSEPH R
2	01.00-04.50	T TH	MI	113	LITTLE HAROLD EDMOND
	12.00	W	MI	112	LITTLE HAROLD EDMOND
283	CONSTRUCT COST EST		03.0 CR		
	PREREQ *AD 250 CR	CONSENT OF ADVISER			
1	11.00	M W F	MI	113	
2	01.00	M W F	MI	112	RUTLEDGE CLIFTON D
290A	STRUCT THE-CONCRETE		03.0 CR		
1	11.00	M W F	MI	113	LITTLE HAROLD EDMOND
2	02.00	M W F	MI	112	

Aviation Technology (*AT)

101	ARCFT RECIPROCAT PP		06.0 CR		
1	09.00	M W F	AVTECH	116	BURKEY PAUL
	10.00-12.50	M W F	AVTECH	134	BURKEY PAUL
102	CARB + LUB SYSTEMS		06.0 CR		
1	02.00	M W F	AVTECH	116	SCHAFER JOSEPH ALLEN
	09.00-12.50	T TH	AVTECH	119	SCHAFER JOSEPH ALLEN
103	ARCFT ELECT GEN-ALT		06.0 CR		
1	03.00	MTWTHF	AVTECH	106	DAROSA EDMUND A
	09.00-10.50	M W F	AVTECH	127	DAROSA EDMUND A
104	PROPELLORS		05.0 CR		
1	09.00	T TH	AVTECH	116	BURKEY PAUL
	02.00	F	AVTECH	118	BURKEY PAUL
	10.00-12.50	T TH	AVTECH	118	BURKEY PAUL
105	AIRCFT INSTRUMENTS		04.0 CR		
1	12.00	W	AVTECH	116	SCHAFER JOSEPH ALLEN
	04.00	T TH	AVTECH	116	SCHAFER JOSEPH ALLEN
	02.00-03.50	T TH	AVTECH	128	SCHAFER JOSEPH ALLEN
106	ARCFT IGN-START SYS		05.0 CR		
1	11.00	T TH	AVTECH	127	VANERKA CHARLES A
	08.00-10.50	T TH	AVTECH	127	VANERKA CHARLES A
	08.00	W	AVTECH	127	VANERKA CHARLES A
107	FABRIC-WOOD-DOPING		04.0 CR		
1	09.00-10.50	T	AVTECH	131	RICH DAVID LOUIS
	12.00-03.50	T TH	AVTECH	131	RICH DAVID LOUIS
2	01.00-04.50	M W	AVTECH	131	RICH DAVID LOUIS
	08.00	F	AVTECH	131	RICH DAVID LOUIS
108	JET PROPULSION PP		06.0 CR		
1	01.00-03.50	M W F	AVTECH	133	DAROSA EDMUND A
	11.00	W	AVTECH	117	DAROSA EDMUND A
109	POWERPLANT TESTING		04.0 CR		
1	11.00	M F	AVTECH	117	SCHAFER JOSEPH ALLEN
	08.00-10.50	M F	AVTECH	133	SCHAFER JOSEPH ALLEN
110	AIRC STRUCT-FAB+REP		06.0 CR		
1	12.00	T	AVTECH	116	RICH DAVID LOUIS
	04.00	T TH	AVTECH	131	RICH DAVID LOUIS
2	10.00	M F	AVTECH	131	RICH DAVID LOUIS
	11.00	W	AVTECH	116	RICH DAVID LOUIS
111	MATERIALS + PROCESS		05.0 CR		
1	01.00	MTWTHF	AVTECH	131	
	02.00-03.50	T TH	AVTECH	134	
2	01.00	MTWTHF	AVTECH	131	
	02.00-03.50	M W	AVTECH	134	
203	AERODYNAMICS		04.0 CR		
1	09.00-11.50	M F	AVTECH	128	VANERKA CHARLES A
	12.00	W	AVTECH	117	VANERKA CHARLES A
2	01.00-03.50	T TH	AVTECH	102	VANERKA CHARLES A
	12.00	F	AVTECH	117	VANERKA CHARLES A
204	AIRCRAFT HYDRAULICS		04.0 CR		
1	09.00-12.50	MT TH	AVTECH	132	OHMAN LENNART R
	02.00	M	AVTECH	132	OHMAN LENNART R
2	08.00-10.50	TWTH	AVTECH	132	OHMAN LENNART R
205	CABIN ENVIRON - PAC		03.0 CR		
1	11.00-12.50	W	AVTECH	133	OHMAN LENNART R

	02.00	T	AVTECH	133	OHMAN LENNART R
2	02.00-03.50	F	AVTECH	133	OHMAN LENNART R
	01.00	T TH	AVTECH	133	OHMAN LENNART R
206	METAL + PROCESSING			05.0 CR	
1	08.00-11.50	T TH	AVTECH	134	RITER RUSSELL W
2	08.00-11.50	M F	AVTECH	134	RITER RUSSELL W
208	ARCFIT FUEL SYSTEMS			02.0 CR	
1	03.00	W F	AVTECH	116	CANNON RICHARD H
	08.00	T	AVTECH	119	CANNON RICHARD H
2	09.00	W	AVTECH	117	
	10.00	TH	AVTECH	119	
	04.00	TH	AVTECH	119	
209	WT BALANCE INSPECT			06.0 CR	
1	10.00	MTWTHF	AVTECH	116	CANNON RICHARD H
	08.00-09.50	M W F	AVTECH	131	
2	02.00-03.50	M THF	AVTECH	131	RICH DAVID LOUIS
	02.00	T	AVTECH	131	COLLETT ROBERT J
	11.00	F	AVTECH	116	COLLETT ROBERT J
	07.00	W F	AVTECH	106	COLLETT ROBERT J
217	RADIO OPER-INSTALL			01.0 CR	
1	12.00	TH	AVTECH	128	RITER RUSSELL W
	09.00-10.50	W	AVTECH	128	RITER RUSSELL W
2	12.00	T	AVTECH	128	RITER RUSSELL W
	11.00	W	AVTECH	128	RITER RUSSELL W
	02.00	M	AVTECH	128	RITER RUSSELL W
220	JET TRANS AIR SYS			03.0 CR	
1	02.00-03.50	T	AVTECH	106	CANNON RICHARD H
	08.00-09.50	TH	AVTECH	133	CANNON RICHARD H
2	02.00-03.50	M W	AVTECH	133	COLLETT ROBERT J
	10.00	TW	AVTECH	117	COLLETT ROBERT J
230A	PRIVATE PILOT			02.0 CR	
1	TO BE ARRANGED				KETRING JOHN E
230B	PRIVATE PILOT			01.0 CR	
1	TO BE ARRANGED				KETRING JOHN E
231	BASIC FLIGHT			03.0 CR	
	PREREQ *AT 230				
1	TO BE ARRANGED				KETRING JOHN E
232	INTERMEDIATE FLIGHT			03.0 CR	
	PREREQ *AT 231				
1	TO BE ARRANGED				KETRING JOHN E
233	ADVANCED FLIGHT			03.0 CR	
	PREREQ *AT 232				
1	TO BE ARRANGED				KETRING JOHN E
234	INSTRUMENT FLIGHT			03.0 CR	
	PREREQ *AT 233				
1	TO BE ARRANGED				KETRING JOHN E

Automotive Technology (*AUT)

101A	AUTO LAB--ENG			05.0 CR	
1	08.00-10.50	MTWTHF	L2	108	WHITE JAMES EDWIN
101B	AUTO LAB-BR + STEER			05.0 CR	
1	08.00-10.50	MTWTHF	LI	108	ROMACK CHARLES
2	11.00-01.50	MTWTHF	LI	108	JONES PAUL F
101C	AUTO LAB-IGN + CARB			05.0 CR	
1	02.00-04.50	MTWTHF	L2	108	MCDONALD JAMES H
125A	AUTO THE--ENGINES			05.0 CR	
1	11.00	MTWTHF	L2	105	WHITE JAMES EDWIN
125B	AUTO THE-BR + STEER			05.0 CR	
1	12.00	MTWTHF	L2	105	ROMACK CHARLES
2	03.00	MTWTHF	L2	105	JONES PAUL F
125C	AUTO THE-IGN + CARB			05.0 CR	
1	09.00	MTWTHF	L2	105	MCDONALD JAMES H
201A	AUTO LAB-POWER OPT			05.0 CR	
	PREREQ 101C AND 125C				
1	02.00-04.50	MTWTHF	L2	102	KAZDA JOSEPH G
201B	AUTO LAB-TRANS POWR			05.0 CR	
	PREREQ 101C AND 125C				
1	09.00-11.50	MTWTHF	L2	102	WILLEY
201C	AUTO LAB-DIAGNOSIS			05.0 CR	
	PREREQ 101C AND 125C				
1	02.00-04.50	MTWTHF	LI	108	SHELTON EVERETT E

220A	AUTO TH-POWER CPT	05.0	CR		
	PREREQ 101C AND MUST BE TAKEN				
	CONCURRENTLY WITH 201				
1	10.00 MTWTHF L2	105		KAZDA JOSEPH G	
220B	AUTO TH-TRANS POWER	05.0	CR		
	PREREQ 101C AND MUST BE TAKEN				
	CONCURRENTLY WITH 201				
1	08.00 MTWTHF L2	105		WILLEY LUCIAN D	
220C	AUTO TH-DIAGNOSIS	05.0	CR		
	PREREQ 101C AND MUST BE TAKEN				
	CONCURRENTLY WITH 201				
1	01.00 MTWTHF L2	105		SHELTON EVFRETT F	

Building Construction Technology (*BC)

210A	CONSTRUCTION	03.0	CR		
1	11.00 M W F L4	106			

Commercial Art (*CA)

130	AD DESIGN + PRODUCT	10.0	CR		
	PREREQ *CA 125				
1	08.00-11.50 MTWTHF NI	101			
2	01.00-04.50 MTWTHF NI	101			
135	LAYOUT AND COLOR	02.0	CR		
1	12.00 T TH NI	101		MARTIN	
210B	ADVER + STORY ILLUS	08.0	CR		
1	08.00-11.50 M W F NI	107		HOFFMAN RICHARD A	
2	01.00-04.50 M W F NI	107		MARTIN KENNETH D	
230B	TECHNICAL ILLUST	07.0	CR		
1	08.00-11.50 T TH NI	107		HOFFMAN RICHARD A	
2	01.00-04.50 T TH NI	107		MARTIN KENNETH D	

Corrections and Law Enforcement (*CLE)

105	CRIMINAL BEHAVIOR	04.0	CR		
1	05.45-09.00 TH H3	154			
107	LAW ENF COM PROC	03.0	CR		
1	06.30-09.00 PM T H3	154			
205	PRIN OF INVEST	04.0	CR		
1	05.45-09.00 TH H3	153			
207	ASSESS IN CRIM	03.0	CR		
1	06.30-09.00 PM T H3	153			
209	LAW AND CORR	03.0	CR		
1	06.30-09.00 PM W H3	154			
215	SUP PRAC IN CRIM	09.0	CR		
1	TO BE ARRANGED				

Dental Hygiene (*DH)

132B	HEAD NECK ANATOMY	04.0	CR		
1	09.00-11.50 F FI	110		CAVANESS GEORGE R	
	02.00-04.50 F F3	144		CAVANESS GEORGE R	
135B	ORAL BASIC SCIENCE	04.0	CR		
1	09.00-11.50 M W FI	109		BUSHEE ELEANOR JANE	
2	02.00-04.50 M W FI	109		BUSHEE ELEANOR JANE	
137A	PRECLINICAL DEN HYG	04.0	CR		
1	09.00-11.50 T TH FI	109		JOHNSON JANE	
2	01.00-03.50 T TH FI	109		JOHNSON JANE	
210B	CLINICAL DENTAL HYG	05.0	CR		
1	09.00-11.50 MTW F F3	132			
	12.00 F FI	110		PIERPONT	
2	01.00-03.50 MTW F F3	132			
	12.00 F FI	110		PIERPONT LUCILLE M	
218C	CLIN DENT ROENTGEN	02.0	CR		
	PREREQ *DH 218B				
1	03.00-09.50 TH FI	110		BUSHEE ELEANOR JANE	
2	10.00-11.50 TH FI	110		BUSHEE ELEANOR JANE	
220	DENT PUBLIC HEALTH	03.0	CR		
1	02.00-04.50 TH FI	110		CAVANESS GEORGE R	

Data Processing (*DP)

101A	AUTO DATA PROC MACH	05.0	CR		
1	01.00 MTWTHF H4	134		DICK ROBERT OLIVER	
	02.00 MTWTHF H8	235		DICK ROBERT OLIVER	

103A	COMP PROG				05.0	CR	
	PREREQ	DP 101					
1	08.00	MTWTHF	H4	134		DICK ROBERT OLIVER	
	09.00	MTWTHF	H8	235		DICK ROBERT OLIVER	
2	11.00	MTWTHF	H4	134		ROBB JAMES	
	12.00	MTWTHF	H8	235		ROBB JAMES	
107	AUTO DP CONCEPTS				03.0	CR	
1	06.30-09.00 PM	M W	H4	133		LOHMEIER DAVID D	
201B	PROG OPERATING SYS				05.0	CR	
	PREREQ	DP 201A					
1	10.00	MTWTHF	H4	133			
	11.00	MTWTHF	H8	140			
2	01.00	MTWTHF	H4	133			
	02.00	MTWTHF	H8	140			
202B	INDUST COMPUT PROG				05.0	CR	
	PREREQ	202A					
1	03.00-04.50	MTWTHF	WHAM	24		FITZPATRICK MICHAEL	
203B	BUS COMP PROG				05.0	CR	
	PREREQ	203A					
1	08.00	MTWTHF	H4	133		STARKEY RICHARD D	
	09.00	MTWTHF	H8	140		FITZPATRICK MICHAEL	
2	03.00	MTWTHF	H4	133		STARKEY RICHARD D	
	04.00	MTWTHF	H8	140		STARKEY RICHARD D	

Dental Laboratory Technology (*DT)

101B	DENTAL PROSTHET LAB				06.0	CR	
1	02.00-04.50	M W F	F3	128		LEEBENS WILLIAM M	
	01.00-04.50	T TH	F3	128		LEEBENS WILLIAM M	
2	02.00-04.50	M W F	F3	127		BYKOWSKI PETER	
	01.00-04.50	T TH	F3	127		BYKOWSKI PETER	
113A	SCIENCE DENT MATLS				03.0	CR	
1	11.00	M W	FI	110		LEEBENS WILLIAM M	
	11.00	F	FI	109			
125B	DENT PROSTH THEORY				03.0	CR	
1	01.00	M W F	FI	110		LEEBENS WILLIAM M	
2	01.00	M W F	FI	109		BYKOWSKI PETER	
201B	CROWN + BRIDGE LAB				06.0	CR	
1	09.00-11.50	M W F	F3	128		CHRISTY CHARLES Q	
	08.00-11.50	T TH	F3	128		CHRISTY CHARLES Q	
2	09.00-11.50	M W F	F3	127		LAAKE DENNIS J	
	08.00-11.50	T TH	F3	127		LAAKE DENNIS J	
225B	CROWN + BRIDGE THEC				03.0	CR	
1	08.00	M W F	FI	110		CHRISTY CHARLES Q	
2	08.00	M W F	FI	109		LAAKE DENNIS J	

Electronics Technology (*ELT)

101B	BASIC ELEC AP + SYS				04.0	CR	
1	08.00-09.50	MTWTHF	M3	109		SCHULTZ RAYMOND	
2	01.00-02.50	MTWTHF	M3	109		SCHULTZ RAYMOND	
101E	BASIC ELEC AP + SYS				02.0 TO 15.0	CR	
1	07.45-10.00 PM	T TH	M3	109			
125B	BASIC ELECT THEO				05.0	CR	
1	12.00	MTWTHF	M3	110		CALDWELL PAUL NEWELL	
2	12.00	MTWTHF	M3	107		CALDWELL PAUL NEWELL	
125E	BASIC ELEC THEORY				02.0 TO 15.0	CR	
1	06.30-07.35 PM	T TH	M3	110			
129	ELECTRICAL CIRCUITS				03.0	CR	
1	10.00	M W F	M3	109		CALDWELL PAUL NEWELL	
2	03.00	M W F	M3	109		CALDWELL PAUL NEWELL	
201A	ADV ELECT APPL				04.0	CR	
	PREREQ	*ELT 101C, *ELT 125C					
1	10.00-11.50	MTWTHF	M3	112		MORRIS CARL E	
2	02.00-03.50	MTWTHF	M3	112		CORBELL DENNY M	
225A	ADV IND SYSTEMS THEC				05.0	CR	
	PREREQ	*ELT 101C, *ELT 125C					
1	09.00	MTWTHF	M3	110		MORRIS CARL E	
2	01.00	MTWTHF	M3	110		CORBELL DENNY M	

Forest Products Technology (*FP)

101B	WOODWORK-CAB + MILL				05.0	CR	
1	09.00-11.50	M W F	L4	108		CARMAN ALGA LEE	
	08.00-10.50	T TH	L4	108		CARMAN ALGA LEE	

125B	PROD WOODWKG THEORY			03.0 CR	
1	08.00	M W F	L4	106	CARMAN ALGA LEE
130	LUMBER SEASONING			03.0 CR	
1	09.00	M W F	L4	106	OSBORN HAROLD WILBUR
201B	WOODWORK-PREFABICAT			05.0 CR	
1	02.00-04.50	MTWTHF	L4	108	OSBORN HAROLD WILBUR
225B	PROD WOODWKG THECRY			03.0 CR	
1	01.00	M W F	L4	106	OSBORN HAROLD WILBUR

General (*GEN)

101	BUSINESS CORRESP			03.0 CR	
	PREREQ	3SD 101A			
1	11.00	M W F	FI	107	
2	02.00	M W F	FI	107	
102	TECHNICAL WRITING			03.0 CR	
1	09.00	M W F	H3	154	
2	12.00	M W F	M3	103	
3	01.00	M W F	AVTECH	117	
4	01.00	M W F	FI	111	
5	04.00	M W F	H3	151	
105A	BUS + TECH MATH			03.0 CR	
	PREREQ	SATISFACTORY ACT MATH SCORE OR			
		*GEN 106			
1	10.00	M W F	H3	151	
2	12.00	M W F	H3	151	
105B	BUS + TECH MATH			03.0 CR	
	PREREQ	SATISFACTORY ACT MATH SCORE OR			
		*GEN 106			
1	09.00	M W F	H3	151	
2	11.00	M W F	H3	151	
3	01.00	M W F	H3	151	
4	03.00	M W F	H3	151	
5	03.00	M W F	AVTECH	116	
115B	INTRO TO CHEMISTRY			04.0 CR	
	PREREQ	115A			
1	01.00	M W F	F3	144	
	01.00-03.50	TH	F3	144	
2	01.00	M W F	F3	144	
	09.00-11.50	TH	F3	144	
118	APP CALCULUS			04.0 CR	
	PREREQ	3SD 114A, 114C			
1	09.00	MTWTH	M3	103	
2	03.00	MTWTH	M3	103	
120	APPLIED PHYSICS			04.0 CR	
	PREREQ	3SA 101A, *GEN 107			
1	08.00	M W	M3	101	
	08.00-09.50	T TH	M3	101	
2	01.00	M W	M3	101	
	01.00-02.50	T TH	M3	101	
141	INTRO TO PHYSICLGGY			05.0 CR	
1	08.00	MTWTHF	F3	144	
201	JOB ORIENTATION			02.0 CR	
1	01.00	T TH	FI	108	
	SUBJECT - RETAILING				
2	10.00	T TH	H3	151	
	SUBJECT - BUSINESS				
232	MGT-LABOR RELATICNS			04.0 CR	
1	01.00	MTWTH	AVTECH	116	
2	02.00	MTWTH	FI	112	

Highway and Civil Technology (*HCT)

101B	SURVEYING			03.0 CR	
1	08.00-09.50	M W F	L3	119	STALEY GLENN L
103	BASIC MATERIALS			03.0 CR	
1	09.00-11.50	T TH	L3	119	STALEY GLENN L
105A	STRUCTURAL DRAFTING			03.0 CR	
1	10.00-11.50	M W F	L3	119	STALEY GLENN L
205	BIT MATERIALS			02.0 CR	
1	02.00	T TH	L3	119	BASSETT FRANKLIN A
207A	CIVIL CONSTRUCTION			05.0 CR	
1	01.00	MTWTHF	L3	119	BASSETT FRANKLIN A

207B	CIVIL CONSTRUCTION				03.0 CR	
1	02.00	M W F	L3		119	

Mortuary Science (*MS)

101B	FUNERAL HIST + CUST				03.0 CR	
1	08.00	M W F	L3		109	BOULANGER JAY W
110	EMBALMING CHEMISTRY				04.0 CR	
	PREREQ	INTRO COURSE IN CHEM				
1	12.00	M W F	F3		144	SMITH DONALD
	10.00-12.50	T	F3		144	SMITH DONALD
202B	RESTORATIVE ART				03.0 CR	
1	10.00	M W	L3		109	HERTZ DONALD GORDON
	09.00-11.50		F L3		106	HERTZ DONALD GORDON
2	10.00	M W	L3		109	HERTZ DONALD GORDON
	10.00-12.50	TH	L3		106	BOULANGER JAY W
205B	PATHOLOGY				03.0 CR	
1	04.00	M W F	L3		109	HERTZ DONALD GORDON
206	INTRODUCTORY MICRO				05.0 CR	
1	01.00	M W F	L3		109	HERTZ DONALD GORDON
	09.00-11.50		F F3		144	HERTZ DONALD GORDON
	02.00-04.50	T	F3		144	HERTZ DONALD GORDON
225A	EMBALM TH + PRAC				05.0 CR	
1	03.00	M W F	L3		109	BOULANGER JAY W
	02.00-04.50	TH	L3		106	BOULANGER JAY W
	08.00-10.50	T	L3		106	BOULANGER JAY W

Machine Drafting and Design Technology (*MT)

101B	GRAPHICS				07.0 CR	
1	08.00-10.50	MTWTHF	MI		101	BEAUCHAMP CLARENCE J
2	02.00-04.50	MTWTHF	MI		101	LAMPMAN D L
127	ELEC HYD PN CONTRLS				03.0 CR	
	PREREQ	101 VTI G 107				
1	08.00	M W F	LI		105	SANDERS EUGENE T
2	03.00	M W F	LI		105	SANDERS EUGENE T
175A	TECHNICAL DRAWING				03.0 CR	
1	09.00	MTWTHF	H3		147	LAMPMAN D L
2	02.00	MTWTHF	H3		147	BEAUCHAMP CLARENCE J
3	03.00-04.50	M W	AVTECH		106	BEAUCHAMP CLARENCE J
	03.00		F AVTECH		106	
175B	TECHNICAL DRAWING				03.0 CR	
1	08.00	MTWTHF	H3		147	LAMPMAN D L
201B	MACH DRAFTG DESIGN				05.0 CR	
	PREREQ	127 AND 226 CONCURRENTLY OR				
		CONSENT OF ADVISER				
1	11.00-01.50	MTWTHF	MI		101	MUHICH FRANK W
226B	STAT STRENGTH MAT				03.0 CR	
	PREREQ	201B CONCURRENTLY, OR CONSENT				
		OF ADVISER				
1	10.00	M W F	H3		147	LAMPMAN D L

Printing Technology (*PT)

101B	PRESS LAB-AUTO PLAT				06.0 CR	
1	02.00-04.50	MTWTHF	L3		110	BRITT DAVID A
125B	PRESS THE-AUTO PLAT				03.0 CR	
1	01.00	M W F	L3		110	BRITT DAVID A
153	PRINT LAY + DESIGN				03.0 CR	
1	10.00	M W F	L4		106	BRITT DAVID A
201B	COMPOSITION LAB				06.0 CR	
1	08.00-10.50	MTWTHF	L3		110	CORNELL HORACE E
225B	COMPOSITION THEORY				03.0 CR	
1	11.00	M W F	L3		109	CORNELL HORACE E
235	PRINT THEO + PRACT				02.0 CR	
	PREREQ	N210A,B AND 23CA,B				
1	12.00-01.50	T TH	L3		110	CORNELL HORACE E

Physical Therapy (*PTH)

100B	PHYS THERAPY ORIENT				01.0 CR	
	PREREQ	100A				
1	01.00	M W	WHAM		328	OKITA TED Y

205	PHYS THERAPY SCIENC	03.0 CR	
	PREREQ PTH 100		
1	02.00-03.50 T	LS I	205
207	MASSAGE	02.0 CR	
	PREREQ PHSL 300-4, GSA 301-4		
1	01.00 W	WHAM	328
211	PHYS REHAB TECH	03.0 CR	
	PREREQ PE 303, PHSL 300		
1	01.00-02.50 W	WHAM	328
221	CLINICAL INTERNSHIP	06.0 CR	OKITA TED Y
	PREREQ ALL REQUIREMENTS OF PROGRAM		
1	TO BE ARRANGED		OKITA TED Y
222	CLINICAL SEMINAR	02.0 CR	
	PREREQ CONCURRENT REGISTRATION IN PTH 221		
1	TO BE ARRANGED		OKITA TED Y

Retailing, Cooperative (*RET)

127A	SALESMANSHIP	03.0 CR	
1	09.00 M W F	FI	112 THOMPSON RONALD W
127B	SALESMANSHIP	03.0 CR	
1	02.00 M W F	FI	106 ELDER WALTER J
177B	PRODUCT INFO LAB	05.0 CR	
1	10.00-11.50 MTWTHF	FI	112 THOMPSON RONALD W
179	RETAIL MATHEMATICS	05.0 CR	
1	03.00 MTWTHF	FI	112 SODERSTROM RUTH B
206	RECORDS + STATISTIC	05.0 CR	
1	10.00 MTWTHF	FI	108 SODERSTROM RUTH B
2	11.00 MTWTHF	FI	108
207B	SALES PROMOTION	02.0 CR	
1	09.00 T TH	FI	106 ELDER WALTER J
2	08.00 T TH	FI	106
227	PERSONNEL MGT	03.0 CR	
1	01.00 M W F	FI	112 SODERSTROM RUTH B
2	02.00 M W F	FI	112 THOMPSON RONALD W

Secretarial (*SCR)

101B	TYPEWRITING	03.0 CR	
1	11.00 MTWTHF	FI	121 RICHEY HELEN E
2	12.00 MTWTHF	FI	121 NORMAN WINIFRED S
3	01.00 MTWTHF	FI	121 GREATHOUSE LILLIAN R
4	02.00 MTWTHF	FI	121 GREATHOUSE LILLIAN R
5	06.30-09.00 PM T TH	FI	121 GREATHOUSE LILLIAN R
104B	SHORTHAND	06.0 CR	
1	08.00 MTWTHF	FI	111 VANCIL ALICE L
	09.00 MTWTHF	FI	121 VANCIL ALICE L
2	10.00-11.50 MTWTHF	FI	102 NORMAN WINIFRED S
3	01.00-02.50 MTWTHF	FI	108 NORMAN WINIFRED S
4	03.00-04.50 MTWTHF	FI	107 GREATHOUSE LILLIAN R
107	FILING + DJPLICTG	03.0 CR	
	PREREQ 101A OR CONSENT OF ADVISER		
1	08.00 MTWTHF	FI	103 NORMAN WINIFRED S
2	03.00 MTWTHF	FI	103
120B	MACHINE SHORTHAND	06.0 CR	
1	03.00-04.50 MTWTHF	FI	102 CASE RONALD L
205B	TYPEWRITING	03.0 CR	
1	10.00 MTWTHF	FI	107 VAUGHN FRANK EUGENE
2	12.00 MTWTHF	FI	107
214A	COOP SEC EXP	02.0 TO 05.0 CR	
	PREREQ *SCR 104C		
1	TO BE ARRANGED		JOHNSTON CHESTER E
214B	COOP SEC EXP	02.0 TO 05.0 CR	
	PREREQ *SCR 104C		
1	TO BE ARRANGED		JOHNSTON
220B	MACHINE SHORTHAND	05.0 CR	
	PREREQ *SCR 220A		
1	11.00 MTWTHF	FI	103 MIRIANI THERESA B
	12.00 MTWTHF	FI	102 MIRIANI THERESA B
224	LEGAL SHORTHAND	06.0 CR	
1	08.00-09.50 MTWTHF	FI	107 CASE RONALD L
2	03.00-04.50 MTWTHF	FI	121 MIRIANI THERESA B

225A	MEDICAL SHORTHAND			06.0	CR	
1	08.00-09.50	MTWTHF	FI	102		TOOLEY JAMES E
230B	TESTIMONY + DEPOSIT			03.0	CR	
	PREREQ *SCR 230A					
1	02.00	MTWTHF	FI	103		MIRIANI THERESA B
235B	ADV LEGAL DICTATION			03.0	CR	
	PREREQ *SCR 235A					
1	01.00	MTWTHF	FI	103		MIRIANI THERESA B

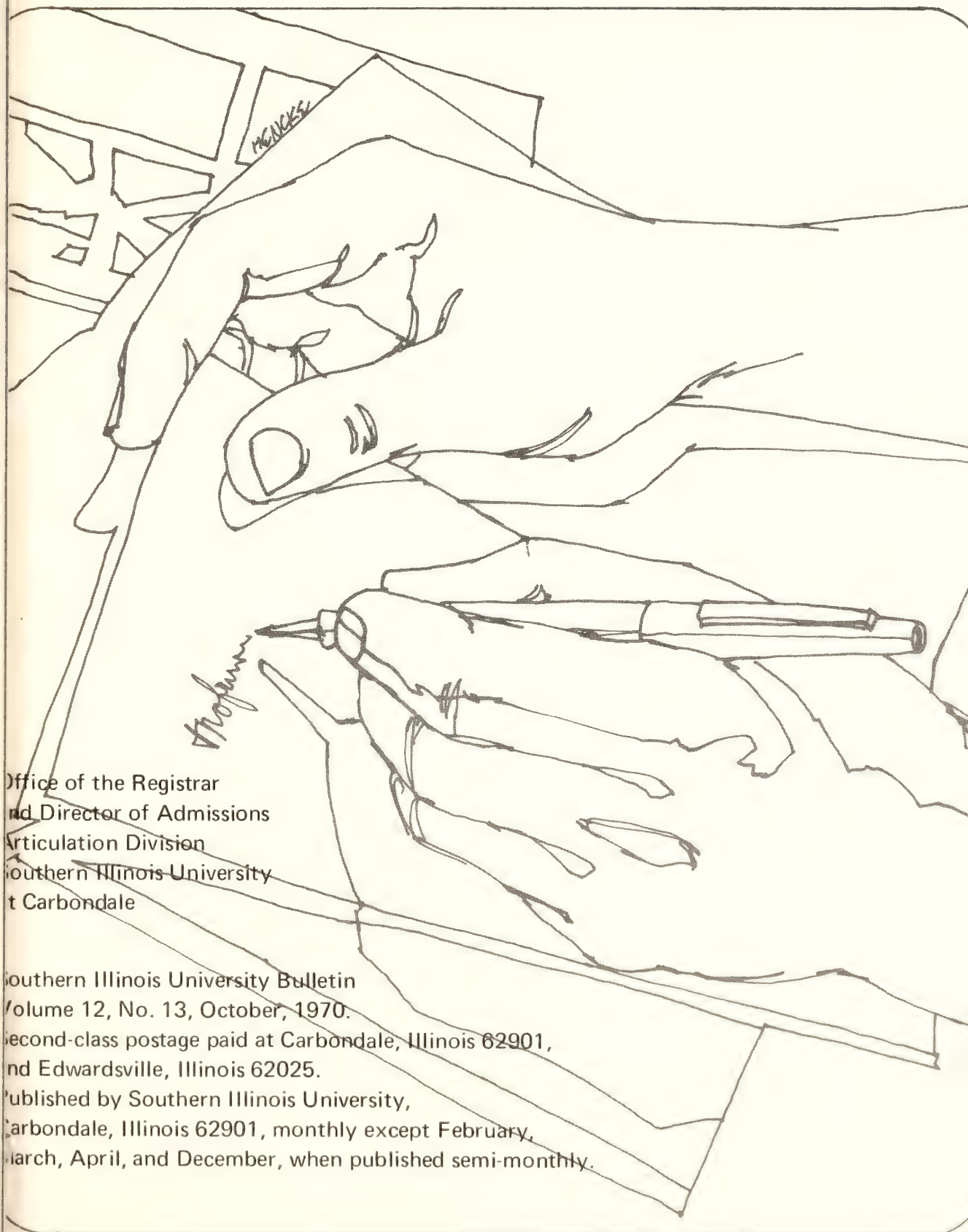
Tool and Manufacturing Technology

101B	M TOOL LAB-ENG LATH			05.0	CR	
1	10.00-12.50	MTWTHF	LI	101		SANDERS EUGENE T
2	01.00-03.50	MTWTHF	LI	101		
125B	M TOOL THE-MACH			03.0	CR	
1	04.00	M W F	MI	107		
175	MACHINE SHOP PRACT			03.0	CR	
1	04.00	MTWTHF	LI	101		
176B	MANUFACTURING PRCC			03.0	CR	
1	10.00	M W F	MI	107		
2	01.00	M W F	MI	107		
201B	ADV T LAB-PROD MACH			03.0	CR	
1	08.00-09.50	MTWTHF	LI	101		TRAYLOR GEORGE LELON
225B	AD M TOOL THE-PRCC			03.0	CR	
1	11.00	M W F	MI	107		TRAYLOR GEORGE LELON
275B	METALLURGY-FERROUS			03.0	CR	
1	02.00	M W F	M4	102		TREGONING PHILIP W
	02.00	T TH	M4	108		
2	03.00	M W F	M4	102		TREGONING PHILIP W
	03.00	T TH	M4	108		

Welding (*WEL)

175	OXY-ACET-ELEC ARC			03.0	CR	
1	11.00	M W F	M4	107		
	11.00	T TH	M4	108		
2	03.00-04.50	M W F	AVTECH	131		
3	01.00	M W F	M4	107		
	01.00	T TH	M4	108		

counselor's handbook



Office of the Registrar
and Director of Admissions
Articulation Division
Southern Illinois University
at Carbondale

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Southern Illinois University

CARBONDALE, ILLINOIS 62901

Office of the Registrar and Director of Admissions

Dear Counselor:

This Handbook has been written to provide you with specific information in advising and counseling students interested in the Carbondale Campus of Southern Illinois University.

May we offer you a few suggestions in the effective use of the Handbook.

1. After determining information needed, it may be helpful to refer to the Index as well as the Table of Contents. Some items have been cross indexed under several topics.
2. If you are seeking information about a specific field of study, please examine the entry of the School or College involved and then review the curriculum guide.
3. In advising students in junior or community colleges, student personnel representatives must keep in mind that the curriculum guides are programs of study followed by our native students. Transfer students may not need all of the courses indicated, note evaluation section procedures, or they may not be able to take the exact same courses. Hence, attention must be given to specific program and academic unit requirements and the means by which the General Studies requirements may be satisfied.

Page 194, entitled Suggestions, is included in order that you might indicate any problem you have using this Handbook. Please return these suggestions so we might use them when the Handbook is revised next year.

Should you have need for additional copies of this publication, please feel free to write the Articulation Division, Office of the Registrar, and Director of Admissions, Southern Illinois University, Carbondale, Illinois 62901.

Jerre C. Pfaff
Director of Admissions

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UNIVERSITY CALENDAR

The University's Calendar is divided into four quarters each of approximately 12 weeks in length. Fall, Winter and Spring Quarters represent a typical academic year. During the Summer Quarter 8 and 12 week classes are offered concurrently.

Fall Quarter 1970

New Student Days	Sun.-Tues.,	Sept. 20-22
Quarter Begins	Tues.	Sept. 22
SECONDARY COUNSELOR'S CONFERENCE	Thurs.	Oct. 15
ACT Examination	Sat.	Oct. 17
HIGH SCHOOL RECOGNITION DAY	Sat.	Oct. 24
IGPA (St. Louis)	Thurs.-Sat.,	Oct. 29-31
HIGH SCHOOL RECOGNITION NIGHT (Chicago)	Mon.	Nov. 2
JUNIOR COLLEGE ARTICULATION CONFERENCE	Wed.-Thurs.,	Nov. 11-12
Thanksgiving Vacation	Tues.-Mon.,	Nov. 24-30
ACT Examination	Sat.	Dec. 12
Final Examination	Sat.-Fri.,	Dec. 12-18

Winter Quarter 1971

Advance Registration		Oct.-Nov.
Quarter Begins	Mon.	Jan. 4
JUNIOR-COMMUNITY COLLEGE GUEST DAY	Mon.	Jan. 25
ACT Examination	Sat.	Feb. 20
Final Examinations	Sat.-Fri.,	Mar. 13-19

Spring Quarter 1971

Advance Registration		Feb.-Mar.
Quarter Begins	Mon.	Mar. 29
ACT Examination	Sat.	Apr. 24
Final Examinations	Sat.-Fri.,	June 5-11

Summer Quarter *1971

Advance Registration		Apr.-May
Quarter Begins	Mon.	June 21
ACT Examination	Sat.	July 17
Final Examinations	Mon.-Fri.,	Aug. 30-Sept. 3

Fall Quarter *1971

Advance Registration		July-Aug.
New Student Days	Sun.-Tues.,	Sept. 19-21
Quarter Begins	Tues.	Sept. 21
Thanksgiving Vacation	Thurs.-Mon.,	Nov. 25-29
Final Examinations	Sat.-Fri.,	Dec. 11-17

Winter Quarter *1972

Advance Registration		Oct.-Nov.
Quarter Begins	Mon.	Jan. 3
Final Examinations	Sat.-Fri.,	Mar. 11-17

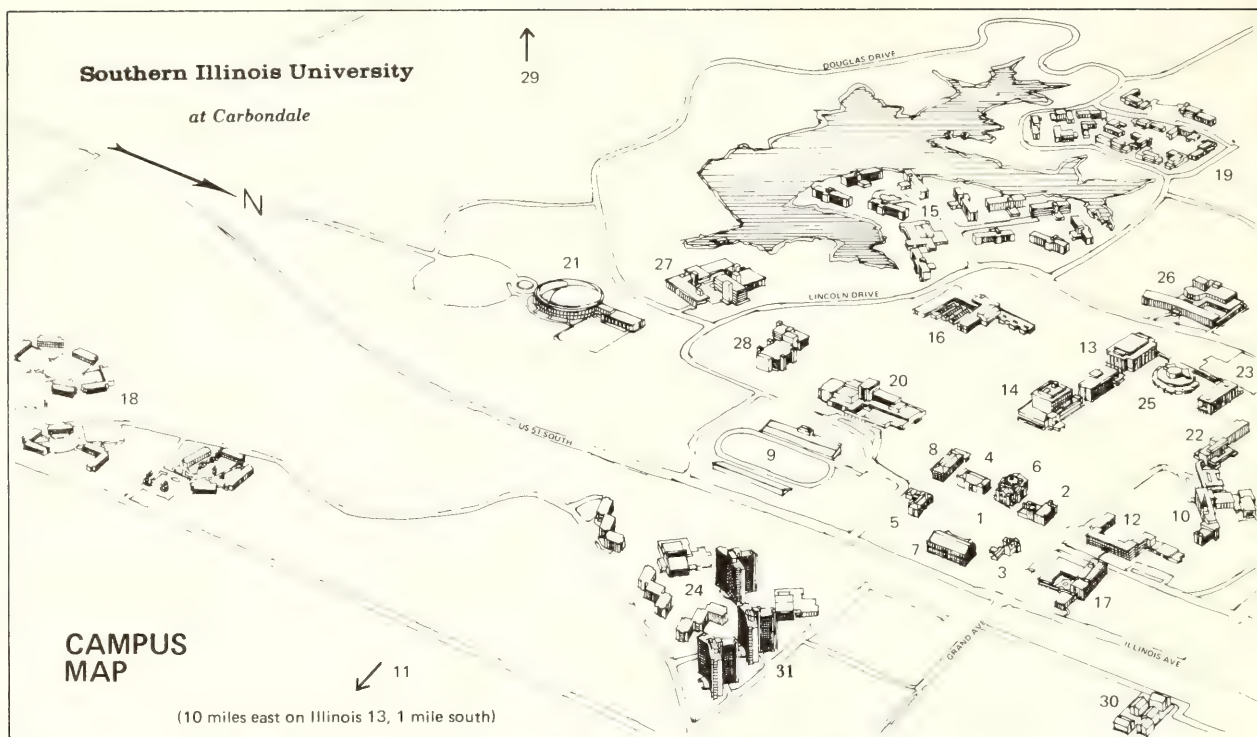
Spring Quarter *1972

Advance Registration		Feb.-Mar.
Quarter Begins	Mon.	Mar. 27
Final Examinations	Sat.-Fri.	June 3-9

*Provisional Calendar

Quarters begin with evening classes after 5:30 p.m.

ARTICULATION: Special Articulation activities planned are indicated in capital letters. Counselors should pay particular attention to those programs which relate to them directly.



OLD CAMPUS

1. Old Main Site
2. Altgeld Hall (1896)
3. Wheeler Hall (1904)
4. Allyn Building (1908)
5. Anthony Hall (1913)
6. Shryock Auditorium (1918)
7. Women's Gymnasium (1925)
8. Parkinson Laboratory (1928)
9. McAndrew Stadium

NEW CAMPUS

10. Pulliam Hall (1951)
11. Vocational Technical Institute (1951)
12. Woody Hall (1953)
13. Life Science Building (1953)
14. Morris Library (1953)
15. Thompson Point Residence Halls (1957)
16. Agriculture Building (1957)
17. Home Economics Building (1959)
18. Southern Hills Family Housing (1960)
19. Small Group Housing (1960)
20. University Center (1961)
21. SIU Arena (1964)
22. Wham Education Building (1964)
23. General Classroom Building (1967)
24. University Park Residence Halls (1965)
25. Lawson Hall (1965)
26. Communications Building (1966)
27. Technology Buildings (1966)
28. Physical Science Building (1968)
29. Evergreen Terrace Family Housing (1968)
30. Washington Square
31. Brush Towers (1968)

SCHOOLS, COLLEGES, AND INSTITUTE

16. School of Agriculture
23. School of Business
26. College of Communications and Fine Arts
22. College of Education
17. School of Home Economics
23. College of Liberal Arts & Sciences
27. School of Technology
11. Vocational-Technical Institute

OFFICES

5. Anthony Hall
Information & Scheduling
(Campus Tours)
12. Woody Hall
Admissions Office
Registrar's Office (Registration)
General Studies Division (Advisement)
Bursar's Office (Fee Payment)
Cafeteria
20. University Center
Information Desk
Book Store
Cafeteria
30. Washington Square
Student Work & Financial Assistance
Housing Business Services
Counseling and Testing
Dean of Students
Off-Campus Housing Information

GENERAL INFORMATION

CAMPUS: The original eight-building campus with its gothic architectural tradition is now completely surrounded by a sprawling modern 7500-acre campus with a maize of paths, impressive buildings, and attractive residence halls. Even though the original campus still serves as a focal point of study and University tradition, the prevailing design of the 327-building campus now is contemporary in scope. Facilities vary in style, size, and purpose from a circular 10,000-seat Arena, to an eight sided multimedia instruction center and 17-story high-rise residence halls to a permanent beach house on the 40-acre campus lake.

Being teaching and research oriented the University provides a balance of laboratories and classrooms which serve as satellites to the impressive 7-story Morris Library containing over a million volumes and subscribing to over 7,000 current periodicals.

Additional facilities at the Carbondale campus include the Vocational-Technical Institute in Carterville some ten miles east, the S.I.U. Airport three miles west, laboratories at Little Grassy Lake and University Farms.

ENVIRONMENT:

Community: Carbondale, Illinois (pop. 24,000)
Location in State: Southern Illinois (Jackson County)
Miles From: St. Louis (110); Chicago (330); New York (960);
San Francisco (2,140)
Terrain: Slightly rolling (elevation 412')
Climate: Pleasant and mild year-round temperature
Mean annual temperature 57.8 degrees
Area: Historical "Little Egypt," year-round outdoor recreation,
four scenic large lakes, national forest and game refuge
Transportation: Major train, plane, and bus routes, Illinois Central
Railroad, Ozark, Air Illinois, etc. Airlines, Gulf Transport Bus line.
Highway routes -- Interstate 57, U.S. 51, Ill. 13.

UNIVERSITY:

Founded: 1869
President Emeritus: Delyte W. Morris
Chancellor (Carbondale): Robert G. Layer
Campus Location: Southwest edge of the community
University telephone number: 618-453-2121
Type: Public, State University
Student Body: Co-ed
Curriculum: Undergraduate, Graduate, and Professional
Calendar: Quarter plan (Fall, Winter, Spring, Summer)
Accreditation:
North Central Association of Colleges & Secondary Schools
National Council for Accreditation of Teacher Education
Membership -- 530 professional organizations
Campuses: Two
Carbondale (includes Vocational-Technical Institute,
SIU Airport, Little Grassy Outdoor Laboratory, Farms)
Edwardsville (includes East St. Louis & Alton Centers)
SIU Acreage: 9,790 (Carbondale 7,593; Edwardsville 2,197)
Campus Buildings: Carbondale (327), Edwardsville (72)
School Colors: Maroon and white
Carbondale Campus Mascot: Saluki (Egyptian racing dog)

STUDENT BODY:

Enrollment: Fall (1969)
Total SIU Full-time enrollment: 35,154
Carbondale Campus 23,002
Undergraduate: 20,339; Graduate: 2,663
Men--14,471; Women--8,531; ratio--2:1
Residency: Illinois 20,820 (91%)
Non-residents (49 states) 1,652 Foreign (73 countries) 530
Commuting: 10%
National rank by size: 20th
Estimated 1971 Carbondale enrollment: 24,000
Enrollment growth commensurate with enlarging facilities

FACULTY AND STAFF:

Carbondale (1969)	
Faculty	2,411
Civil Service	1,986
Other Staff	<u>353</u>
Total	4,750

Percentage doctorate: 54%

CURRICULUM:

Degrees:

Undergraduate: (Associate); A.A., A. Tech., A. Bus. (Bachelor);
B.A., B.S., B. Mus. Ed., B. Mus.

Graduate: M.A., M.F.A., M. Mus. Ed., M. Mus., M.S. Ed.;
Certificate of Specialist (6 yr.); M.D., Ph.D.

Schools and Colleges (9): Agriculture, Business, Communications and
Fine Arts, Education, Graduate, Home Economics, Liberal Arts &
Sciences, Technology, Medical (1972), Human Resources (Proposed)

Others: Vocational-Technical Institute, General Studies Division,
Technical and Adult Education, University Extension Services,
Aerospace Studies, Center for the Study of Crime, Delinquency,
and Corrections, International Services Division (overseas operations).

SPECIAL PROGRAMS:

Academics: Honors programs, medical education curriculum, independent
study, language laboratories. Self-Instruction Center, therapeutic
clinics, cooperative education program, radio and color TV broadcasting
service, distinguished visiting professors exchange program, extensive
foreign study programs (Europe, Germany, Italy, USSR, etc.), voluntary 2
and 4 year AFROTC program, experimental pass-fail courses, advanced
registration each quarter.

Advanced Standing, proficiency exams and/or AP Exams (CEEB).

Library (Carbondale): One million volumes, rare book room, collections
of novelists, framed prints, law collection, governmental documents,
U.S. Geological Survey map series.

Guidance Facilities: Orientation program for new students; Dean, major
area, and full-time advisers; extensive counseling and testing services.
Remedial writing and math courses.

GENERAL:

Distinctive Features: low cost education, capable faculty, pleasant climate
with outstanding recreational opportunities, cosmopolitan student body,
balanced academic and extra-curricular program.

Automobiles: limited to married, commuters, graduate, handicapped, students
21 years or older, and all juniors and seniors.

University Services: Civil Defense, Cooperative Clinical Services, Labor
Institute, Music and Theater, Public Affairs Research Bureau, Safety
Center, Center for Business Services, Transportation Institute, University
Exhibits, University Extension Services, SIU News Service, Handicap Student
Services and Facilities.

ADMISSIONS

OFFICE: Office of the Registrar and Director of Admissions
Woody Hall (Campus Map - Code 12)

HOURS: 8-12, 1-5 weekdays 8:30-12 noon Saturdays

TELEPHONE: (618) 453-4381 (Carbondale, Illinois)

PERSONNEL: Registrar -- Dr. Robert A. McGrath
Director of Admissions -- Mr. Jerre C. Pfaff
*Articulation Division
Mr. Jerrie J. Johnson, Coordinator
Mr. Thomas McGinnis, Counselor (Transfers)
Mr. Malcolm Fawley, Counselor (High School)
Mr. Jack R. Bopp, Chicago Area Repr.
8540 Skokie Blvd., Apt. G-1, Skokie, Illinois
Telephone (312) 677-2375
Admissions Office Supervisor -- Mrs. Vera Borger
Transcripts Supervisor -- Mrs. Sue Eberhart
Foreign Student Admissions -- Mr. Ronald Thomas

*The Articulation Division assists schools by providing representatives for college day and night programs, counseling prospective students, visiting schools on request, distributing university materials, and providing assistance to counselors. Counselors should feel free to check with members of the staff on the progress of their counselee's application.

APPLICATION REQUESTS: Write:

Office of the Registrar and Director of Admissions
Southern Illinois University
Carbondale, Illinois 62901

Include your name, return address, zip code, and whether you desire a high school or transfer application. . . . Applications are available anytime but should not be requested more than a year in advance of enrollment. . . . Counselors may request small quantities of applications by contacting the Articulation Division

PROCESS: Rolling procedure, after all necessary documents have been received.
No deadline, application fee, or geographical restrictions.

APPLICATION VOLUME AND PROFILE:

Total 1969 Fall Quarter applications received: 12,561
Admitted: 76% (9510) Matriculated: 60% (5674)
Freshman Profile: First Quarter--34%; Second quarter--44%
ACT Class Means (1969)--Men-22.6; Women-20.9; Combined-21.9

Total Carbondale Campus Enrollment:

<u>September 1969</u>	<u>Men</u>	<u>Women</u>		<u>Total</u>	<u>Percentage</u>
Undergraduate	12,654	7,685	=	20,339	88%
Graduate	<u>1,817</u>	<u>846</u>	=	<u>2,663</u>	<u>12%</u>
Total	14,471	8,531	=	23,002	100%
Percentage	63%	37%			

ADMISSIONS PROBLEMS: If problems arise concerning the admission process, please (write) the Office of the Registrar and Director of Admissions or (call) (618) 453-4381.

HIGH SCHOOL ADMISSION REQUIREMENTS

RECOMMENDED HIGH SCHOOL UNITS: English 4; History 3; Science 3; Mathematics 3;
Foreign Language 2.

APPLY: Anytime after junior year.

REQUIRED APPLICATION MATERIALS:

High School Applicants: Completed and signed application forms*
High School transcript (2 copies) signed with school
seal, class rank, ACT scores.
Official ACT scores (from Iowa City)

G.E.D. Applicants: Completed and signed application forms*
High School transcript (partial)
Official G.E.D. results
Official ACT scores

*The Medical Examination Form may be submitted after the application but must be on file before the student registers.

HIGH SCHOOL REQUIREMENTS: In-State: (Fall, Winter, Spring Quarters) upper one-half or ACT composite of 21 or higher. (Summer Quarter) all graduates permitted--
*Conditional entrance status for graduates in lower one-half with less than ACT composite of 21.

Out-of-State: (Fall, Winter, Spring Quarters) upper 40% or ACT composite of 22 (SAT 926). (Summer Quarter) upper 50% rank or ACT composite of 21 (SAT 899) -- Conditional entrance status.

*Conditional students must achieve a "C" average in eight or more hours to continue in the Fall.

PROCEDURES:

1. Request an application from the Admissions Office. Please include zip code, return address, and whether you desire a high school or transfer application.

2. Complete and return the application materials in the appropriate envelope.
No application fee is required.

3. Request your school send two copies of your high school transcript to the Admissions Office. (A high school student will facilitate the processing of his application by submitting the completed application to his counselor and requesting that two copies of his transcript be attached before mailing.)

4. Submit official ACT scores. If the student did not request results be sent to SIU Carbondale (code 1144) at the time he registered for the examination, he must request a copy of supplemental scores by contacting ACT, Box 451, Iowa City, Iowa. A charge for this service varies from \$2 to \$5 depending upon the speed of service desired. Non-Illinois residents may submit CEEB Scholastic Aptitude Test scores for tentative admission consideration. However, all candidates are required to have on file at the University the results of the ACT examination before officially being admitted. Failure to receive official acceptance will delay housing and financial assistance clearance.

Although the Medical Examination Form is not required initially as part of the admission process, all students must return the completed form included in the application packet before registering. The examination should be performed by the candidates private physician.

NOTIFICATION: Candidates are notified usually within three weeks after all required materials are received. Admitted candidates will receive an official Certificate of Admission and additional registration information.

TRANSFER ADMISSION REQUIREMENTS

APPLICATION REQUEST: Write:

Office of the Registrar and Director of Admissions
Southern Illinois University at Carbondale
Carbondale, Illinois 62901

Request application materials for a transfer student.

Counselors may request application packets in small quantities.

APPLY: As early as one semester or quarter prior to the intended enrollment at SIU. As late as the beginning of each term. At present there is no application deadline.

APPLICATION FEE: None

REQUIRED MATERIALS: Prospective students must return the formal application to the Admissions Office, the medical record form to the SIU Health Service, and one official transcript from each institution attended after high school to the Admissions Office.

In addition, those transfers with less than 24 semester or 36 quarter hours must also submit one official copy of their high school record and their official ACT scores. (Exception): All students transferring from a non-regionally accredited institution must also submit a high school record and ACT scores regardless of hours completed, degrees earned, or grade point average calculated. Students who are required to submit a high school record but who did not graduate should submit results of the G.E.D. (General Educational Development) examination and their incomplete high school record.

All transfers must also submit the Personal Data Form and if applying for the Summer Quarter 1971 or later, the Work In Progress Form found in the application packet.

ELGIBILITY: Students with an overall "C" average from the last school attended on a full-time basis are eligible any quarter. Full-time is considered to be 12 semester or quarter hours in the same term. The candidate's entry status will be Good Standing only if work from all schools attended was above the "C" average, otherwise the status will be Probation.

Students with less than a "C" average at the last institution attended on a full-time basis but eligible to continue at that school will be considered only for the Winter, Spring, or Summer quarters. Entry status would be Probation.

Students not eligible to continue or dismissed from the institution last attended will be considered only for the Spring or Summer quarters on Probation. This ruling applies provided there has been an interruption of schooling for at least two quarters duration and there is tangible evidence that additional education can be successfully completed by the student.

Transfers seeking admission into an associate degree program at the Vocational-Technical Institute (VTI) must meet all of the regular transfer requirements. Irregardless of hours transferred, the student is admitted directly into a specific unit not into General Studies.

In general, international students transferring from either two or four year regionally accredited institutions within the United States must meet the same standards for admission as those required of native students. In addition, foreign students with less than one year of work normally will also have to demonstrate a proficiency in English prior to acceptance.

(Exception): Students who have completed a two year associate or equivalent degree program with a "C" average from a non-regionally accredited institution are eligible any quarter. This ruling applies only if the institution is recognized

by an accrediting body which itself is recognized by the National Commission on Accrediting or the U.S. Office of Education. If the above requirements have not been met, the student will be considered for admission as an entering freshman.

(Exception): A student who has completed an associate degree program in a baccalaureate oriented program from a regionally accredited institution will be eligible any quarter regardless of grade point average. If below "C", entry status will be Probation. This applies only to an Illinois resident.

(Exception): Students eligible under the above exceptions but who complete additional work beyond the Associate degree will be considered for admission as a normal transfer student.

(Exception): Students in a non-baccalaureate degree program from a regionally accredited institution will be considered for admission as a normal transfer student.

(Exception): Students suspended for any reason other than scholastic suspension must obtain clearance from the Dean of Students Office at SIU before admission can be granted.

(Exception): A transfer student interested in obtaining a teaching certificate should know that the admission to the University or an academic unit does not admit him to the formal teacher education program. This must be done through the dean's office of the College of Education. A student must have a minimum of 64 quarter hours of credit before he may apply, and must possess a minimal grade point average as follows: 64-102 hours, a 3.00 average; 103-143 hours, a 3.10 average; and, more than 143 hours, a 3.20 average.

(Exception): Students with any form of disability must be cleared by the Coordinator of the Office of Handicapped Student Services (Woody Hall) prior to acceptance.

NOTIFICATION: Rolling admission process. Students should be notified regarding their admission status approximately two weeks after all required documents have been submitted.

ADMISSION PROBLEMS: If problems arise concerning the transfer admission process, please (write) the Office of the Registrar and Director of Admissions or (call) (618) 453-4381. Office hours are 8-12, 1-5 weekdays, and 8:30-12:00 noon on Saturdays.

REGISTRATION

PROGRAMS: Two registration periods are available each quarter.

Advance Registration: Conducted three to ten weeks before the quarter begins . . .
Recommended for all new students . . . Permits maximum course selection, counseling, and campus orientation. (Note: University Calendar, Page 3)

Central Registration: Conducted during the first week of the quarter . . .
Available for late applicants, those who did not advance register because of excessive traveling distance, and upper classmen making program changes.

APPOINTMENTS: All new students (freshman, transfers) are assigned an advisement appointment and notified by mail. Appointments are mailed out for the quarter indicated around the following dates: Fall--June 15; Winter--October 1, Spring--January 15; Summer--April 1.

All new students will receive additional information on the advance registration procedures at the time they receive their advisement appointment. Should a student find it is impossible to keep his advisement appointment he should contact the Office of the Registrar Admissions Office, and suggest two alternative dates during the Advance Registration period (see calendar). Appointments in the School of Business, Home Economics, and Technology are arranged by the school's advisement staff. Request for changes should be sent directly to them.

Re-entry and continuing students must make their own advisement appointment with their academic unit advisement office.

PROCEDURES: Advance registration usually takes one-half day unless the student desires to take advantage of various proficiency examinations. Parents are welcome to accompany their son or daughter.

Advisement: Approximately 45 minutes . . . A student is advised of university and General Studies requirements, proficiency opportunities, discusses vocation plans, and then selects appropriate courses.

Registration: One Hour . . . Student selects the times his classes will meet, obtains I.D. Badge and acquires tuition and fee statement.

Orientation: Guests are welcome to tour the campus or visit offices related to their special needs (housing, financial assistance, etc.).

Lodging and Parking: Adequate lodging facilities are available in and near the community at various motels . . . Students advance registering during the summer may acquire overnight lodging at a minimum cost in Neely Hall on campus. This is available only during the summer.

The University Center lot and metered stalls on campus are available for campus visitors.

ADVISEMENT CENTERS:

General Studies Division.	Woody Hall.	453-4351
Vocational-Technical Institute.	Cartersville	985-3771
School of Agriculture	Agriculture Bldg.	453-2469
School of Business.	Gen. Classroom Bldg.. . . .	453-5250
College of Communications and Fine Arts	Communications Bldg.. . . .	453-4308
College of Education	Wham Building	453-4394
School of Home Economics.	Home Economics Bldg.. . . .	453-2581
College of Liberal Arts & Sciences.	Woody Hall.	453-3388
School of Technology.	Technology Building	453-5105

HOUSING DETAILS

ON-CAMPUS UNIVERSITY FACILITIES (Single & Family):

Housing Business Services
Washington Square, Bldg. D
(618) 453-2301

Director: Mr. Samuel Rinella
Assistant: Mr. Joseph Gasser
Single Contracts: Mrs. Alice Wills
Family Contracts: Mr. James Dugger

OFF-CAMPUS PRIVATE FACILITIES:

Housing Information Center
Washington Square, Bldg. C
(618) 453-5391
Mrs. Carole Antes, Coor.

Married & Graduate Office
615 S. Washington
(618) 453-5379
Mrs. Loretta Ott, Coor.

HOUSING TYPES: Two types of housing facilities are available.

University On-Campus Facilities: Single undergraduate facilities include residence halls, fraternities and sororities, and cooperative at V.T.I. for women. Married student facilities include efficiency, one, two, and three bedroom apartments, and trailer spaces. The University does not operate any off-campus housing facilities.

Privately Owned Off-Campus Facilities: Single student facilities include residence halls, apartments, boarding houses, and trailers. Married student facilities include apartments, boarding houses, private homes, and trailers.

POLICIES: Effective September 1, 1965, single undergraduate students not residing with their parents or guardians will be permitted to reside only in those accommodations which have been and which continue to be classified by the Administration as "Accepted Living Centers." Although the policy does not apply to graduate students the Administration shall vigorously encourage that all housing accommodations used meet the same minimal standards.

A living unit to be classified as an "Accepted Living Center" shall encompass due consideration for safety, sanitation, health and recreation, provide supervision limited to students of the University and available to all students regardless of race, color, religion, or national origin.

Exception: On request, exceptions to this policy are granted by the Office of Off-Campus Students. Automatic exceptions are granted to students who are twenty-five years of age or older or who have completed two years of active military service. Other special exceptions may be granted if the student can demonstrate that enforcement of the requirement would produce an unusual hardship.

CLASSIFICATION: Off-campus privately owned Accepted Living Centers are classified into three major categories.

A. All Single Undergraduate Students: Freshmen through Seniors. The basic requirement for this class of housing (residence halls) are that they provide facilities, food service, and supervision comparable to on-campus residence halls. Central service, recreational, and social areas are necessary integral parts of the facilities.

Facility supervisory personnel will meet the same standards as on-campus hall personnel and must be approved by the Student Affairs Division prior to appointment. Resident Counselors and Resident Fellows receive partial compensation from the University in the form of remission of tuition. In turn they have a continuing obligation to the University in maintaining general student standards and regulations. Additional compensation is provided by the owner or operator in the form of room and/or salary.

B. Single Sophomore, Junior, and Senior Students (More than 42 quarter hours). These facilities are required to meet the same basic health and safety standards as facilities approved for all single undergraduates, but are not required to provide food service.

University approved adult supervision is required. Typical facilities in this class are apartment-type residence halls and private rooming houses.

C. Single Junior and Senior Students (Minimum 90 quarter hours).
Individual units, such as apartments or trailers, may be approved. However, such approvals will be limited to either men or women students within any apartment house, trailer court, or similar complex.

Although the University does not require married or graduate students to live in approved housing, they are required to maintain up-to-date local address records.

APPLYING: An applicant may apply for housing anytime prior to or at the same time as applying for admission. However, University contracts are not awarded until after the student is officially admitted. Off-campus contracts may be made anytime at the convenience of the student.

CONTRACTS: University housing contracts are written for the duration of an academic year (Fall, Winter, Spring) and remain in effect for these three quarters. Summer contracts are issued separately. The fact that housing is provided for the summer does not guarantee the same housing for the following fall, winter, and spring quarters. It is necessary that two separate housing applications be completed; one for summer and one for the following academic year.

The University reserves all rights concerning assignments or reassignments of rooms during the school year and the use of rooms during recognized vacation periods when rent is not charged. Room assignments are made based on the date of receipt of advance payment. However, residents currently occupying rooms may retain their rooms for succeeding years as long as space is available and they are eligible for campus housing, and insofar as it is possible to comply with the student's wishes.

Off-campus contract provisions such as cost and duration of contract are specified on the contract as per landlord's and student's agreement. All provisions of the contract should be read carefully before signing. The housing contract is a legal document which can be broken only for reasons falling within the terms of the contract.

All student tenants and all owners or managers must use the rental contract form provided by the University. This contract takes precedence over all other tenant-landlord agreements and becomes effective only on validation by the Office of Off-Campus Students. The contract provides compulsory arbitration by the appropriate University offices in cases of tenant-landlord disputes.

PRIVATELY OWNED OFF-CAMPUS HOUSING: While it is best to visit several residence hall facilities before making final housing arrangements, freshman students who must make arrangements at a distance can request brochures from the residence hall managers and make satisfactory arrangements by mail. A listing of various privately owned residence halls follows.

A number of owner-occupied homes and residence hall apartments in the Carbondale area are approved for sophomores, juniors, and seniors. There are also trailers, apartments, and houses which are available only to junior and senior students. Information concerning these facilities is available in the Housing Information Center. Making arrangements for this type of housing at a distance is not recommended.

Down payments (which include a damage deposit) range from \$50 to \$100. The damage deposit is refundable at the end of the contract if no damages have occurred.

All housing arrangements for the privately owned off-campus residence halls are made directly between the residence hall managers and students. Questions concerning a specific residence hall or requests for contracts should be addressed as follows: The Manager of (Name of Residence Hall); Address of Residence Hall; Carbondale, Illinois 62901.

ON-CAMPUS FACILITIES

RESIDENCE HALLS:

Brush Towers -- \$347.00 per quarter
Mae Smith - Women

Schneider Tower - Men

University Park -- \$347.00 per quarter
Neely Hall - Women
*Allen Hall - Men

*Boomer Hall - Men
*Wright Hall - Men

*\$322.00 per quarter

Thompson Point -- \$347.00 per quarter
Abbott Hall - Men
Bailey Hall - Men
Brown Hall - Men
Felts Hall - Men
Pierce Hall - Men
Warren Hall - Men

Baldwin Hall - Women
Boyer Hall - Women
Kellogg Hall - Women
Smith Hall - Women
Steagall Hall - Women

GROUP HOUSING: Fraternities and Sororities -- \$172.00 per quarter, room only.
(F=Fraternity, S=Sorority, W=Women)

Alpha Gamma Delta - S
Alpha Gamma Rho - F
Alpha Omicron Pi - S
Caldwell Hall - W
Delta Chi - F
Delta Zeta - S
Kappa Alpha Psi - F

Phi Kappa Tau - F
Phi Sigma Kappa - F
Sigma Kappa - S
Sigma, Sigma, Sigma - S
Sigma Tau Gamma - F
Tau Kappa Epsilon - F
Theta Xi - F

VOCATIONAL-TECHNICAL INSTITUTE:

Southern Acres Residence Hall - Men -- \$307.00 per quarter
V.T.I. Dorm - Men -- \$337.00 per quarter
Women's Coop - Women -- \$72 per quarter without meals

SOUTHERN HILLS: Married

Efficiency Apartment - \$100 per month, furnished
One-bedroom Apartment - \$110 per month, furnished
Two-bedroom Apartment - \$115 per month, furnished

EVERGREEN TERRACE: Married

Two-bedroom Apartment - \$96.00 per month, unfurnished
Three-bedroom Apartment - \$106.00 per month, unfurnished

OFF-CAMPUS FACILITIES

Baptist Student Center - M, W, 701 W. Mill
Egyptian Dorm - W, 510 S. University
Lewis Hall - W, 504 S. Wall
Pyramids - M, W, 516 S. Rawlings
Saluki Arms - W, 306 W. Mill
Six Hundred Freeman - W, 600 W. Freeman
Stevenson Arms - M, W, 600 W. Mill

University City - M, W, 602 E. College
Wilson Hall - M, W, 1101 S. Wall
Clark Hall - M, 505 S. Graham
Forest Hall - M, 820 W. Freeman
Ivy Hall - M, 708 W. Mill
Saluki Hall - M, 306 W. Mill
Shawnee Hall - M, 805 W. Freeman

The cost of living in off-campus privately owned residence halls during the 1970-71 academic year varies from \$310 to \$410 per quarter. Private telephone service and linen service are available in some cases at additional cost.

Payment plans vary. Students who wish to make monthly payments should discuss this matter with the manager prior to making final arrangements.

PROCEDURES:

1. Request information on the type of housing (on-campus - off-campus) desired. University on-campus housing information is included in the application packet.

2. Submit a housing application. The Admissions Office automatically notifies Housing Business Services that an applicant's housing contract may be processed. At this time the student will be given a priority number. This number establishes the candidates place on the Housing Application List. This number, however, does not guarantee a room in a residence hall. Contracts are offered on the basis of an individuals place on the list and space availability. Off-campus contracts are submitted directly to the appropriate off-campus facility.

NOTIFICATION: Contracts for Fall applicants in on-campus university housing are awarded in February and thereafter as space becomes available. An advance deposit of \$309.00 is required to reserve the space and is refundable if cancelled four weeks prior to the occupancy date. Off-campus contracts are awarded as soon as the deposit has been received although there is no refund if cancelled at a later date.

PAYMENTS: University on-campus housing fees may be paid on a yearly (3 quarter), quarterly or monthly basis as prescribed by the student on the contract. Off-campus housing fee payments may be paid weekly, monthly or on a quarter basis and are indicated in the contract agreement.

COSTS

TUITION AND FEES: Charges are based on rates prevailing as of January 1971 for full-time (11 hours or more) students. Rates for part-time students are found on page 23 of the Undergraduate Catalog.

	<u>Quarter</u>	<u>Academic Year</u>
Resident.	\$165.50	\$ 496.50
Non-Resident.	446.50	1339.50

Fees include Book Rental, Student Activity, University Center, Athletic Fund, and Student Welfare and Recreation Building Fund.

ROOM AND BOARD:

	<u>Quarter</u>	<u>Academic Year</u>
University housing	\$307 - 347	\$ 921 - 1051*
Private housing.	335 - 410	1005 - 1230

*Includes Campus Housing Activity Fee.

Housing costs vary in accordance with the type of housing required.
Note: Housing Section page 12-15.

MISCELLANEOUS: Miscellaneous expenses include transportation to and from home, entertainment, and personal items. The average is estimated at \$650 per year for residents and \$800 for non-residents.

	<u>Quarter</u>	<u>Academic Year</u>
Miscellaneous	\$100 - 220	\$300 - 660

ESTIMATED TOTAL:

	<u>Quarter</u>	<u>Academic Year</u>
Resident.	\$600 - 750	\$1800 - 2250
Non-Resident	900 - 1200	2700 - 3600

PAYMENT:

Tuition and fees must be paid before a student starts classes unless other arrangements have been made. Board and room payments are indicated in the contract agreement.

FINANCIAL ASSISTANCE DETAILS

OFFICE: Student Work and Financial Assistance
Washington Square, Building B (Campus Map, Code 30)

TELEPHONE: (618) 453-4334

PERSONNEL: Director -- Dr. Frank C. Adams
Asst. Director -- Dr. Raymond P. DeJarnett
Federal Programs -- Mr. Marion B. Treece
State Programs -- Mr. Joseph D. Zimny
Institutional Programs -- Mr. William French
NCAA & Scholarships -- Mr. William Felts
Co-op Programs -- Mr. Bruno Bierman

AID APPLICATION REQUESTS: Write:

Southern Illinois University
Student Work and Financial Assistance Office
Washington Square, Building B
Carbondale, Illinois 62901

A student should request the type of applications desired.

- | | |
|---|----------------------------|
| 1. Scholarships & Awards Application | 4. NDSL/EOG Application |
| 2. Junior-Community College Scholarship | or |
| 3. Illinois State Grant* | 5. Illinois Guarantee Loan |
| *(Available between Jan. 1 - May 31) | |

Since all students are required to submit the ACT Family Financial Statement, this form and the Student Work application are sent automatically with all requests. To prevent duplication of financial assistance materials, a student should not submit the Family Financial Statement until the 1971 Federal Income Tax Form has been filed.

DEADLINE: Preferential consideration is given to students who apply before May 15.

PROCEDURES:

1. Request the desired financial assistance applications.
2. Complete and return the appropriate applications to the Student Work and Financial Assistance Office.
3. Mail the ACT Family Financial Statement with the appropriate \$3.00 fee to Box 1000, Iowa City, Iowa 52240.
(Four weeks should be allowed to provide sufficient time for the Statement to be processed and results forwarded to the University.)

The CSS Parent Confidential Statement cannot be used as a substitute.

NOTIFICATION: A student will be notified after approval and as soon as funds are made available but not before being officially admitted: Normally, this is four to six weeks before enrollment.

STATISTICS: Freshman receiving aid: 50-55% Average amount \$900-\$1000
One student in three obtains assistance One student in five works part-time.

Financial Assistance Program Totals (Fall, Winter, Spring Quarters, 1969-1970)

Tuition and Fee Awards	\$ 3,125,872
Justice Department Loans	28,395
Student Work	4,100,000
NCAA	310,000
Graduate Fellowships, Assistantships	3,164,245
Resident Fellows and Counselors.	157,050
National Defense Loans and NDSL & EOG Educational Opportunity Grants.	650,000
State Guaranteed Loans	4,500,000
Private Donor Amounts	150,000
Short Term Loans	105,000
TOTAL	<u>\$16,290,562</u>

NOTE: The total of three terms is a projection from the 1969 Fall Quarter.

FINANCIAL ASSISTANCE PROGRAMS

FEDERAL PROGRAMS:

National Defense Student Loan: The NDSL program is available to entering freshmen, upperclassmen, and graduate students who can demonstrate financial need by the ACT Family Financial Statement. The money borrowed (\$1,000 maximum for undergraduates and \$2,500 for graduates) accrues no interest as long as the student remains in college. When repayment period begins, the annual interest rate is three percent.

Educational Opportunity Grant: The basic purpose of the EOG program is to assist students with exceptional financial need. The student does not repay the grant. The grant will provide these students a sum of Federal money which must be matched with an equal amount of financial aid through NDSL, work, scholarships, and/or grants-in-aid. Frequently a student will have a loan and be actively participating in the student work program.

Veteran's Benefits: Veterans applying for the GI Bill may obtain the necessary application forms from any Veteran's Administration Office or the University's Registrar's Office. These forms need to be mailed to the Veterans Administration, 2030 West Taylor Street, Chicago, Illinois 60612, along with a copy of the veteran's DD-214 and certified proof of any dependents. Qualified veterans may also use the Illinois Military Scholarship. Veterans who were residents of Illinois at the time they entered service or who were students at the time of their enlistment or induction are eligible for the Illinois Military Scholarship. This scholarship is awarded for four calendar years and covers tuition, activity fee, and graduation fee. Application requests for the military scholarship should be sent to the Registrar's Office. A copy of discharge or separation papers must accompany the application. Benefits may be transferred from one institution to another by completing the Request for Change of Program or Place of Training, available at an institution's veterans office.

STATE PROGRAMS:

Illinois Guaranteed Loans: This loan enables a student who is an Illinois resident to borrow up to \$1,500 (\$1,000 for freshmen) each year to pay educational expenses. Normally students who receive an IGL are not eligible for a NDSL during the same period.

Illinois State Scholarships and Grants: ISS and ISG are available through the Illinois State Scholarship Commission. Financial need and Illinois residency are factors in both of these awards. The maximum award cannot exceed tuition and fees.

INSTITUTIONAL PROGRAMS:

Junior - Community College Scholarships: SIU annually awards 100 two-year tuition scholarships to associate degree graduates of Illinois junior colleges. All applicants are considered who complete the necessary scholarship application.

Scholarships and Activity Awards: The Board of Trustees and a number of private industries and organizations have established some 1,250 tuition awards. These are available to interested applicants who meet minimum qualifications. A number of other scholarships not directly awarded through the University are also available. Among these are the General Assembly Scholarships, Teacher Education Scholarships, and Special Education Scholarships. Financial assistance is also available to students who are physically handicapped through the Illinois Division of Vocational Rehabilitation. Information about these and other aids may be secured from the Office of Student Work and Financial Assistance.

NCAA Scholarships: Athletic scholarships are awarded by individual coaches. Interested applicants should write directly to the coach in the sport of interest.

Student Work Program: Each year the University employs 7,000 to 8,000 students on a part-time basis. Approximately 4,000 will be employed in any given month in the academic and non-academic units. While preference is given to students with a financial need, it is usually possible to provide work experience for all students who have a desire.

Short Loans: Funds are available for short-term (30-60 days) loans on an emergency basis. Students should not depend on this form of financial assistance to pay tuition, room or board, or other normal expenses that can be anticipated.

SERVICES

Information and Scheduling Center: This office is the officially designated central point on the Carbondale campus for coordinating the services involving general information, general referral, and general scheduling of University premises and facilities. Other responsibilities include receiving requests for information; scheduling the general use of University premises and facilities; providing general information to the campus and area communities; scheduling and providing guides for campus tours; and serving as the hosting center for University guests and visitors. The office is located in the South Wing of Anthony Hall, phone 453-5351.

Counseling and Testing Center: The Counseling and Testing Center is staffed with professional counselors who are qualified to discuss any problem or plan--academic, marital, personal, or vocational--that may concern the student. The center is located at Washington Square A, phone 453-5371. The center is also responsible for the University-wide testing program.

Health Service: The University Health Service provides medical service and an infirmary which provides limited medical care for students including 24-hour emergency service. The purpose of the Health Service is to render service to students within the limits imposed by the size and professional status of the staff, by legal obligations, and by the available facilities. The Health Service is located in the Group Housing Complex, Building 115, phone 453-3311. Health insurance available to students includes a health insurance program covering each student paying the student activity fee and a voluntary Blue Cross-Blue Shield in-hospital insurance program for single students. There is a family plan for married students.

Cooperative Clinical Services Center: The University Cooperative Clinical Services Center is a coordinated center of services open to students as well as children, adolescents, and adults. Persons may report directly to the Center or write to the manager for an appointment. Services include psychodiagnostic assessments, speech and hearing evaluations, assistance with reading and study skills, personal counseling, marriage counseling, rehabilitation, vocational counseling, speech and hearing therapy, and physical therapy. The center is located in Wham Education Building, Room 141, phone 453-2361.

Handicapped Student Services: With level terrain, sidewalk ramps, and special elevators, the campus is specifically designed to facilitate the physically handicapped student. The Handicapped Student Services Office, located in Woody Hall, cooperates with the Vocational Rehabilitation Association and the Illinois Division of Vocational Rehabilitation, in making the campus adjustment as easy as possible. The office phone number is 453-5738.

Self-Instruction Center: The Learning Resources Service operates a Self-Instruction Center to assist students who wish to (1) extend their studies beyond regular course work, (2) explore subject matter in which they have an interest, (3) have help preparing for proficiency exams, final exams, or prerequisite exams, (4) review previously covered material, or (5) have help in subjects in which they are having difficulty. The center, located on the main floor of Morris Library, contains programmed instructional material, tapes, films, slides, film-strips, prepared by University faculty and commercial suppliers. Latest addition to the center includes a push-button information retrieval and dial access system and ten mini centers at various campus locations.

Textbook Service: The University Textbook Service maintains both a textbook rental service for undergraduates and a textbook sales facility for graduate students. The textbook rental fee is collected from undergraduates at the time other fees are paid. The paid fee statement is required for checking out textbooks. The rental service is located in the southwest corner of the basement of Morris Library.

Housing Information Service: Located in Washington Square this office assists students in locating satisfactory off-campus housing accommodations. The phone number is 453-5391.

National Service Information: National service information is available in the Office of the Dean of Students. Factual, up-to-date information about Selective Service and opportunities in such national service programs as the Peace Corps, Teacher Corps, and VISTA may be obtained. Students who have questions concerning the draft or opportunities in the national service programs may contact directly the Office of the Dean of Students, Washington Square.

EXTRA-CURRICULAR ACTIVITIES

SOCIAL ACTIVITIES: The University annually sponsors over 3,000 student activities. These include formal, semi-formal and informal functions.

The best guides to the many cultural, social, and recreational events are the calendars issued by the Information and Scheduling Office (Anthony Hall), the Daily Egyptian, and the local newspaper, the Southern Illinoisan.

SOCIAL ORGANIZATIONS: There are 264 recognized university approved student organizations.

44 Scholastic and Professional Honoraries
55 Departmental
119 Special Interest
23 Religious
23 Others

A complete listing of various organizations is found on page 16-20 in Preview '71.

ATHLETICS:

Membership: NCAA
Conference: CMU (Conference of Midwest Universities)
Athletic Offices: SIU Arena
Athletic, Intercollegiate: (618) 453-5311
Athletic, Ticket Office: (618) 453-5319

Coaches: Football: Dick Towers
Basketball: Paul Lambert
Baseball: Richard Jones
Golf: Lynn Holder
Gymnastics (Men): Bill Meade
Gymnastics (Women): Herb Vogel
Swimming: Ray Essick
Tennis: Dick LeFevre
Track - Cross Country: Lou Hartzog
Wrestling: Linn Long

OTHER ACTIVITIES: Other prominent organizations and activities include Student Government, Saluki Marching Band, Debaters, Interpreter's Theater, Concerts, Convocation, Artist and Celebrity Series.

STUDENT DISCIPLINARY GUIDE

GENERAL DISCIPLINARY POLICIES: A brief summary of the underlying principles in disciplinary policies at Southern Illinois University at Carbondale include the following points:

1. The University is dedicated not only to learning and the advancement of knowledge but also to the development of ethically sensitive and responsible persons. It seeks to achieve these goals through a sound educational program and policies governing student conduct that encourage independence and maturity.
2. The University distinguishes its responsibility for student conduct from the control functions of the wider community. When a student has been apprehended for the violation of a law of the community, the state, or the nation, the University will not request or agree to special consideration for the student because of his status as a student. The University will cooperate fully, however, with law enforcement agencies, and with other agencies in any program for the rehabilitation of the student. The University reserves the right to review any violations by students, including violations in which action has been taken by civil authorities.
3. The University may apply sanctions or take other appropriate action only when student conduct directly and significantly interferes with the University's primary educational responsibility of ensuring the opportunity of all members of the University community to attain their educational objectives, or subsidiary responsibilities of protecting the health and safety of persons in the University community, maintaining and protecting property, keeping records, providing living accommodations and other services, and sponsoring non-classroom activities such as lectures, concerts, athletic events and social functions.
4. Procedural fairness is basic to the proper enforcement of all University rules. In particular, no disciplinary sanction as serious as expulsion, suspension, disciplinary probation, or entry of an adverse notation on any permanent record available to persons outside the University shall be imposed unless the student has been notified in writing of the charges against him and has had an opportunity to appear alone or with any other person to advise and assist him before an appropriate committee, court, or official, to know the nature and source of the evidence against him and to present evidence in his own behalf, and to have his case reviewed by appropriate authority.
5. Students should have an opportunity to participate in the formulation of policies and rules pertaining to student conduct and in the enforcement of such rules.

DISCIPLINARY ACTION: Sanctions which may be imposed for commission of University offenses include the following:

1. Disciplinary Reprimand -- The student is given an oral reprimand to call his attention the responsibility of meeting certain minimal community standards.
2. Disciplinary Warning -- A strong written warning to the student that if there is repetition of the same action or any other action in violation of the Student Disciplinary Code, the student can expect more severe disciplinary action. A notation of an official warning is kept in the student's personnel records, but is not recorded on his permanent record.
3. Disciplinary Probation -- The Student is placed on disciplinary probation because it is believed that he merits an additional opportunity to demonstrate by his behavior during a stipulated period of time, that he should remain a member of the University community. During the period of disciplinary probation a student is not normally permitted to represent the University in intercollegiate activities or hold major student offices or committee assignments. Other privileges and financial aid may be withdrawn or reduced during the probationary period. Disciplinary probation is entered in the student's permanent record, but it does not appear on official transcripts. Any misconduct during this probationary period may lead to immediate Disciplinary Suspension.

4. Disciplinary Suspension -- Suspension is an involuntary separation of the student from the University for a stated period of time after which readmission will be possible. Thus suspension may extend for one quarter, until a specified date, or until a stated condition is met, but it is necessary for the student to petition the Dean of Students, in writing, for readmission to the University. Disciplinary suspension is entered on the student's permanent record and appears on official transcripts during the suspension period.
5. Disciplinary Dismissal -- An involuntary and permanent separation of the student from the University. Dismissals must be approved by the President and may be appealed to the Board of Trustees.
6. Disciplinary Withdrawal -- Under extenuating circumstances the student may be given the privilege of withdrawing from the University. Conditions may be established for readmission. Notation of the disciplinary withdrawal will be kept in the student's personal records. No notation is made on the University transcript.
7. Involuntary Withdrawal -- After consultation with professional medical or psychological personnel, a student may be withdrawn from the University if such action is judged to be in the best interests of the student and the academic community. Appropriate conditions for readmission may be established. This action differs from Disciplinary Withdrawal in that there is no implication of misconduct.

In addition to the specific sanctions listed above the disciplinary authority may impose appropriate lesser sanction such as campus restrictions, work assignment, and compensation to victims for loss or damage. Fines may also be imposed.

STUDENT DISCIPLINARY CODE: Separation from the University by either dismissal or suspension or any lesser sanction may result from the commission of any of the following offenses:

1. Academic cheating or plagiarism.
2. Physical abuse of or threat of violence or intimidation of another person.
3. Vandalism, arson, malicious destruction or damage or misuse of University property, including library materials, and private or public property.
4. Unauthorized possession and/or use of firearms, fireworks, or chemicals which are explosive in nature and other types of arms classified as weapons.
5. Illegal manufacture, sale, possession, or use of narcotics, marijuana, hypnotics, sedatives, tranquilizers, stimulants, hallucinogens and other similar known harmful or habit-forming drugs and/or chemicals.
6. Participation in, or organization of, any activity to interrupt the functions of the University.
7. Deliberate disobedience or resistance of identified University authorities acting in the line of duty.
8. The entering of false fire alarms; tampering with fire extinguishers, alarms, or other safety equipment.
9. Theft
10. Furnishing false information to the University with the intent to deceive.
11. Forgery, alteration or misuse of University documents, records, or identification cards.
12. Hazing
13. Lewd or indecent conduct.
14. Two or more acts in violation of the following section.

Disciplinary probation, motor vehicle violation assessments or any lesser sanctions may result from the commission of any of the following offenses:

1. Violations of residence hall regulations.
2. Trespassing or unauthorized entry.
3. Violation of motor vehicle regulations.
4. Disorderly conduct.
5. The possession or use of alcoholic beverages in University residence halls, similar facilities off campus, and by students under 21 years of age.
6. Gambling.
7. Issuing a bad check with the intent to defraud.

MOTOR VEHICLES

REGISTRATION: Each motor vehicle used, operated or possessed by an eligible student within Carbondale, DeSoto, Makanda, Murphysboro townships in Jackson County and Carterville Township in Williamson County must be registered annually with the Traffic Section of the Security Office.

An eligible student may register only his own vehicle or a vehicle of a member of his family.

ELIGIBILITY: Graduate students and the following categories of undergraduate students may apply for permission to use, operate or possess motor vehicles, with the final approval to be given by the Dean of Students:

1. Juniors and seniors (90 credit hours or more)
2. Students 21 years of age or older
3. Veterans with two years of military service
4. Married students
5. Students residing in the home of parents or guardian
6. A student who requires a motor vehicle for reasons of health or physical condition as certified in writing by the Health Service.
7. A student who is certified in writing by the Office of Student Work and Financial Assistance to require a motor vehicle for purposes of employment.
8. A student not covered by 1 through 7 preceding whose reason for requiring a motor vehicle is judged valid by the appropriate Assistant Dean of Students and so certified in writing.

APPLICATION AND FEE: Each applicant must present a valid operator's license, vehicle registration card or notarized "license-applied-for" receipt, proof of liability insurance, and University identification card. A student must also present a receipted fee statement card. Dealer license plates are not acceptable for motor vehicle registration. If a parking decal is purchased, a fee is charged and is determined by the type of decal an applicant is eligible for and receives.

Motor Vehicle Fees by Quarter:

	<u>Blue</u>	<u>Red</u>	<u>Silver</u>
Fall Quarter.	\$65	\$35	\$15
Winter Quarter.	50	30	15
Spring Quarter.	35	25	10
Summer Quarter.	20	15	10

Yellow registration decals will be issued at no cost upon proper application.

All decals are valid until September 30, or until renovation or loss of eligibility. The extent of the motor vehicle privilege granted to any person shall be based on need or advanced academic standing, in general accordance with the following criteria:

(a) First opportunity to obtain Blue decals will be granted to full-time employees and to students whose health or physical condition require the privileges thereof.

(b) All employees and students eligible in accordance with any of the categories mentioned under ELIGIBILITY may apply for either Red or Silver decals.

(c) A yellow decal serves as evidence of the proper registration of a motor vehicle by an eligible student. It does not authorize any parking on campus (except at fee lot at University Center) at any time during the posted hours.

(d) Temporary permits may be issued in unusual circumstances.

NOTE: Decals issued, according to color, indicate the nature of any parking privileges permitted the holder.

A C A D E M I C I N F O R M A T I O N

Acceleration and Enrichment Opportunities
Special Programs
Scholastic Standards
Basic Graduation Requirement

General Studies for the Transfer Student
Evaluation of Transfer Credit
Institutional Comparison

ACCELERATION AND ENRICHMENT OPPORTUNITIES

ACCELERATION PROGRAMS

College Level Work in High School: A growing number of colleges permit students to take college level courses while still completing the high school diploma. SIU provides this opportunity for qualified area high school students within reach of its two campuses and accepts credit from other accredited institutions for work taken under similar conditions.

CEEB Advanced Placement Program: A high school student who registers in an advanced placement course in his high school or experiences through other special educational channels accelerated courses may apply for advanced placement and college credit through the Advanced Placement Program of the College Entrance Examination Board, 475 Riverside Drive, New York, New York 10027. To receive credit a person must earn an acceptable grade on the College Board's advanced placement test. Results of the examination are forwarded to the university for credit consideration. Credit, ordinarily limited to a total of 16 hours, is granted in biology, chemistry, English, foreign languages, history, mathematics, and physics. Since this credit does not carry a letter grade it is not used in computing a student's average grade. Credit granted at another accredited college under this plan is also transferable to the University up to a maximum of 16 hours. Additional information may be obtained from the CEEB regional office or the Registrar's Office at the University.

SIU Advanced Standing Program: A student who presents a combination of high ACT scores and high school achievement may be eligible for advance standing consideration. A student qualifies if his ACT national college bound scores and SIU predictive scores exceed the 80th percentile. While credit is not granted for the courses in which advance standing is received, the work may be used to (1) take more advanced work in the same area, (2) discontinue any further work in a particular General Studies area if it is not required, (3) take more advanced work for a specific major, or (4) provide freedom for electives. Areas available for advance standing include physics, chemistry, biology, natural science, geography, world history, sociology, government, civics, music, speech, English, foreign languages, and mathematics. It is highly possible that a capable student may by-pass up to a full year of introductory and basic courses. A student is informed by his academic adviser if he meets the necessary preliminary requirements.

Proficiency Examinations: Any student who feels qualified to take a proficiency examination may make application at the Registrar's Office. New students may take appropriate proficiency examinations at the time they meet with their academic adviser to advance register. Proficiency examinations successfully passed can serve to satisfy basic requirements in order to advance to more specialized courses, to graduate at a faster than ordinary pace, or to permit greater selection of elective courses. These credits are recorded on a student's permanent academic record after he accumulates at least 16 quarter hours of "C" in residency at SIU. If the student achieves a grade of "A" or "B" on the examination, grade points are counted in the student's grade point average. If the grade obtained is a "C", the hours will be recorded but no points will be added. No record of credit or examination is placed on the student's record if the grade is below a "C". However, since a student may not take the examination more than once or take the examination after he has previously taken the course, the proficiency grade report form is filed in the student's permanent folder for reference. Credit not to exceed 48 quarter hours may be applied from various proficiency examinations and the CEEB Advanced Placement examinations to a student's record.

General Studies Flexibility

GS Challenge: Entering freshmen who rank in the upper 15 percent of their high school class and are in the upper 15 percent on the SIU predicted GPA (grade point average) computed by the University may challenge General Studies requirements in the GSA Science, GSB Social Studies, and GSC Humanities areas. By achieving in an area as a freshman grades of "C" or better in all upper division courses attempted, a student may by-pass first and second level requirements totaling 16 hours. The student will take a total of at least 9 upper division hours in the particular General Studies area being challenged. Successful completion of the challenge will permit the student to take additional electives in his major field. Additional information may be obtained from a student's adviser at the time he registers.

Self-Determined Programming: An entering freshman with an SIU predictive score which exceeds the 90th percentile may under supervision of the President's Scholar staff and the dean of General Studies determine for himself his own General Studies requirements. This opportunity is especially attractive to the student who wishes to place a heavier than usual emphasis on a particular area of study.

Course Substitutions: Any student planning to work toward a known educational goal may elect to take approved substitute courses for the regularly prescribed General Studies core. Under this plan approved courses in the same area may be substituted following department and adviser approval.

Waiver Privileges: A final means of flexibility within the General Studies Program allows a six hour waiver of certain work within the area of specialization on the junior level. A waiver may be granted on request to a student in the area most closely related to his specialization.

ENRICHMENT PROGRAMS

Pass/Fail Grade Option: A qualified student may register for a course on a pass/fail basis. The intent of providing this option is to enable a student to enrich his experience in subject-matters with which he is unfamiliar or in which he is unsure of his background. Hours earned will be added to a student's total elective hours passed, but will have no effect on the individual's GPA. A maximum of 16 quarter hours of credit may be applied toward graduation, but it may not be counted toward satisfying general studies, major, or minor requirements; nor, may more than 8 quarter hours be credited in any one department. Academic Units maintain lists of available pass/fail courses in their unit.

Audit: A student may, without receiving credit or a grade, register for a course on an audit basis. In this manner, he may explore an area of interest in which he does not have an adequate background without competing among other students who may be more competent. Should he find the course within his current capabilities, he may change from non-credit to credit during the first four weeks of a quarter.

Uncommon Languages: A new series of courses with the title "Uncommon Languages" has recently been added to the curriculum. These courses are intended to provide for a variety of languages as the need demands. Currently Vietnamese and Swahili are offered. As new languages become important to the University's international interests, there will undoubtedly be other uncommon languages included under this course series. These new languages are in addition to French, German, Latin, Russian, Spanish, Chinese, Greek, Italian, Portuguese, Iberian, and Romance Philology already available.

Summer Workshops: During the summer various departments sponsor workshops for interested high school students. These workshops provide a student a unique opportunity to learn, study, and relax in Southern Illinois. Interested students should write the appropriate workshop coordinator. Workshops are held in Communications (Journalism, Speech, Oral Interpretation, Theater, Dance); Art; Music and Youth; Electronic Music; and Youth Leadership.

European Travel and Study Programs: Each summer the Extension Service of the University provides a student an opportunity to travel and study, or simply travel, in Europe. Different courses are offered periodically. Last summer study programs were available in England, France, Germany, Italy, Turkey, Spain, Switzerland, Western Europe, and the Soviet Union. Other credit programs abroad include preparation of a course entitled Field Study in International Education which consisted of a week of orientation on the campus followed by three weeks of travel in Europe. Participants visited cultural centers and educational institutions in several cities such as London, Paris, Munich, Rome, etc. A travel study course for students interested in Spanish was also available in Mexico at the Universidad Veracruzana at Jalapa.

SPECIAL RECOGNITION

Dean's List: Every full-time (12 credit hours or more) student who achieves a 4.25 grade point average for the term is placed on the Dean's List for that term and his grade slip bears this notation.

Scholastic Honors Day: Students who maintain standards of scholastic excellence are recognized at a Scholastic Honors Day in the spring. To be included on the Scholastic Honors Day Listing, a student must meet certain requirements: (1) He must have been a full-time (11 credit hours or more) student at SIU for each of the three quarters of the current school year. (Except in the case of a graduating senior who is listed even though he may not have been in full-time attendance for each of three quarters.) (2) He must have maintained a satisfactory overall average. A freshman or sophomore must have a 4.5 or above; a junior or senior must have a 4.25 or above; an upperclassman with

an average of 4.5 or above, 4.75 or above, and 4.9 or above are specifically marked on the program. (Note: A student must have earned the indicated average both for his SIU work and for his total work.) (3) The first-year list includes those students with 24 to 48 hours of credit; the second-year list includes those with 49 to 120; the third-year list includes all those with 121 or more hours who are not to be graduated in the June or August commencement; the senior list is limited to graduating seniors.

Scholastic and Honorary Organizations: A rather large number of organizations within the University offer recognition and membership invitations based upon high scholastic achievement. These vary considerably in scope and formality, ranging all the way from departmental to program organizations. Selection to many of these are recognized at the Honors Day Convocation. Such honorary organizations include:

Alpha Delta Sigma (Journalism)	Phi Beta Lambda (Sec. & Business)
Alpha Epsilon Rho (Broadcasting)	Phi Beta Lambda - VTI
Alpha Eta Rho (Aviation)	Phi Eta Sigma (Frosh-men)
Alpha Kappa Psi (Business)	Phi Gamma Nu (Business)
Alpha Lambda Delta (Frosh Women)	Phi Mu Alpha (Music-men)
Alpha Sigma Rho (Retailing)	Pi Delta Epsilon (Publications)
Alpha Zeta (Agriculture)	Pi Kappa Delta (Speech)
Amer. Inst. for Design & Drafting	Pi Lambda Theta (Ed.-women)
Amer. Inst. of Interior Designers	Pi Mu Epsilon (Mathematics)
Amer. Soc. of Tool Mfg. & Eng.	Pi Omega Pi (Bus. & Teaching)
Beta Alpha Psi (Accounting)	Pi Sigma Alpha (Science)
Beta Gamma Sigma (Business)	Pi Sigma Epsilon (Marketing)
Chemeka (Amer. Chem. Soc.)	Sigma Alpha Eta (Speech & Hearing)
Epsilon Tau Sigma (Architecture)	Sigma Delta Chi (Journalism)
Illinois Home Economics Association	Sigma Phi Sigma - VTI
Iota Lambda Sigma (Industrial Ed.)	SIU Jr. Amer. Dental Hygenists Assoc.
Kappa Delta Pi (Education)	Soc. for Advancement of Management
Kappa Omicron Phi (Home Ec.)	Soc. of Physics Students
Kappa Tau Alpha (Journalism)	Student Nat'l. Art Ed. Assoc.
Mu Phi Epsilon (Music-women)	Theta Sigma Phi (Journalism-women)
Natl. Soc. of Interior Designers	Xi Sigma Pi (Forestry)
Omicron Delta Epsilon (Economics)	Zeta Phi Eta (Speech-women)

Graduating with Honors: Graduating seniors are also recognized at Commencement on the graduation program, and their diplomas designate honore as follows: Highest Honore - 4.90 or higher average; High Honors - 4.75 to 4.89; Honors - 4.50 to 4.74.

Other special programs (President's Scholar, Honors Work, etc.) and majors are listed on page 28-29 and 191-192.

SPECIAL PROGRAMS

This section attempts to describe programs that have been either (a) recently added as a new unit of instruction, (b) dis-associated from a formal school or college, or (c) considered as a special program for students with special interests and abilities.

SPECIAL PROGRAMS:

SPECIAL MAJOR PROGRAM: Any student with a professional interest in a major not indicated as one of the existing fields of study within the University curriculum may design a program of study more suited to his special needs. By consulting with a faculty member the student may develop a coherent and unified curriculum indicating the purpose and the courses he plans to take. The Special Major Program should have the support of at least one faculty sponsor and the dean of the academic unit involved. Final approval must come from the Office of the Chancellor. This program with its flexibility has been highly popular due to the variety of courses currently available in the University's curriculum and the freedom permitted. Additional information may be obtained from the student's adviser.

PRESIDENT'S SCHOLAR: The President's Scholar Program is intended for students who have demonstrated capability for high academic performance. Under current policies an entering freshman is invited to become a President's Scholar if his ACT composite score is 26 or higher and he ranks in the upper 90th percentile on his STU predicted GPA.

Continuing students are invited to join the Program if after two quarters they have a cumulative GPA of 4.25 or higher. Potential scholars may be recommended by a staff member or may make application upon their own initiative.

The basic goal of the program is to maximize the able student's opportunity for using and developing his potential in ways consistent with the goals and role of the University. The Program's objectives are to: (a) recognize outstanding academic potential and achievement; (b) represent the interests of able students within the University; (c) unite Scholars of similar ability; and (d) encourage collaboration between Scholars and faculty towards curricular and extra-curricular activities of special interest. Curricular offerings include special class sections, honors seminars, independent honors papers, and special honors courses and programs offered by the various academic units.

The program, which has no set curriculum format, is intended to provide flexibility for the superior student. Participants retain the prerogatives of President's Scholars throughout their undergraduate program as long as they meet minimum standards of academic performance and fulfill other limited responsibilities.

Perhaps the most valuable service of the program is as an extra source of advice and contact for individual Scholars, so that they can obtain full benefit of available opportunities, beyond, as well as within, the University. Activities include the formation of groups of Scholars and faculty members for discussions on topics of interest. Scholars also have the opportunity to work through the Council of President's Scholars to help determine the direction and future intellectual development of the student and the University.

Scholar's prerogatives and advantages include special advisement procedures facilitating admission to courses which may close; flexibility in making substitutions for normal curricular requirements; extended library privileges; and recognition of President's Scholar status on the diploma and academic record.

Recently the General Studies Committee authorized the President's Scholar Program to administer a trial procedure enabling students to set their own detailed General Studies requirements. Any student who meets the Program entrance criteria is eligible.

Inquiries about the program should be addressed to the Director, President's Scholar Program, Southern Illinois University, Carbondale, Illinois 62901.

INTERCUL: Intercul is an undergraduate program of intercultural study open to all students on the Carbondale Campus. General Studies courses selected for inclusion in the program are designed to prepare freshmen and sophomores for studies programs in the Latin American Institute, Asian Studies, African Studies, or European and Russian Studies programs. One of the specific area studies, or Intercul generally, may be the student's major or minor field of study.

At present special Intercul courses and/or sections are offered in anthropology, geography, economics, government, history, philosophy, and the humanities with reference to the particular foreign areas listed above. These courses and the various study areas provide Intercul students an exceptional opportunity to travel and study abroad -- either a part of the regular SIU travel and study programs or on an individual basis. (See European Travel and Study Programs.)

Outside the course framework, the Intercul staff helps students plan individual self-instruction programs in areas not available in regular University offerings. Interested students who wish to enroll may do so by consulting an Intercul counselor and requesting Intercul sections during registration. For further information, write Intercul, Woody Hall.

INDIVIDUAL HONORS WORK: Most departments offer special honors courses, honors sections in regular courses, and independent reading and study courses which are open to all qualified students.

With a major field of study individual honors work is available for the outstanding student who wants a heavier concentration of research or independent study during his junior and senior years. Eligibility is determined by departmental chairmen. When a student is accepted for honors work, an advisory committee is appointed to direct his study. The committee must approve the student's proposals for independent study and the specific requirements for completing his course of study. The program may consist of not fewer than nine nor more than twenty-one hours in research or independent study towards his major. At the end of his junior year and again at the end of his senior year, the student takes a comprehensive examination, with results being recorded on his permanent record. Grades may be deferred at the end of the first and second quarters but not from one school year to the next. Upon successful completion of the honors program the students transcript and diploma will be appropriately designated. For additional information a student should contact the academic unit of his intended major.

AEROSPACE STUDIES: The Air Force Reserve Officers Training Corps Detachment is a senior division ROTC unit administered by commissioned officers of the United States Air Force. The Department of Aerospace Studies offers a two-year and a four year program for both men and women. The latter is divided into the General Military Course (GMC) covering the freshman and sophomore years, and the Professional Officer Courses (POC), covering the junior and senior years. The POC courses are designed to provide the fundamental training, both personal and professional, which will best equip a cadet to become an effective junior Air Force officer possessing a high growth potential and also to develop and stimulate a growing desire on his part to enter the Air Force training program. The GMC is designed with two additional objectives in mind: First, to interest the cadet in the possibility of continuing in the advanced AF ROTC and ultimately making the Air Force his career; and second, to provide him with Space Age citizenship training of long-range value to the Air Force whether he returns to civilian life or becomes a member of the USAF.

In addition to the AF ROTC programs offered for academic credit, Aerospace Studies endorses or directly sponsors extracurricular activities such as the Arnold Air Society, a national honorary service organization, open to selected AF ROTC cadets and the Angel Flight, an auxiliary of the Arnold Air Society open to selected undergraduate women. Further information may be obtained from Aerospace Studies, Wheeler Hall.

BLACK AMERICAN STUDIES: The Black American Studies program is designed to foster an awareness and understanding of contemporary developments respecting black Americans by virtue of new historical and cultural perspectives. The program acts as a clearing house for the collection and effective dissemination of information about Black America and for collation of opinions, critical evaluations, and assessments of the need for new curricular material. A reference center is stocked with books, journals, and other documents, by, about, and significant to black Americans. Recordings of speeches and music by famous black Americans are provided in the program's media room.

SCHOLASTIC STANDARDS

CREDIT HOURS: Since SIU operates on a quarter basis, hours of credit are recorded in quarter hours. One quarter hour of credit equals 2/3 of a semester hour; one semester hour of credit equals 1.5 quarter hours. One quarter hour credit represents the work done by a student in a lecture course attended 50 minutes per week for one quarter, and, in the case of laboratory and activity courses, the additional time stated in the Schedule of Classes.

CLASS STANDING: An undergraduate is classified as a freshman, sophomore, junior or senior depending upon the number of credit hours he has successfully completed toward the degree: Freshman -- less than 42 quarter hours completed; Sophomore -- 42 hours through 89 hours completed; Junior -- 90 through 137 hours completed; and Senior -- 138 or more hours completed.

COMPUTING AVERAGES: The University computes a student's grade point average in two ways: (1) for his work taken at SIU, and (2) for all collegiate work. These two averages will be the same for the student who has taken collegiate work only at SIU but the transfer student will have two grade point averages.

The significance of the above should be clearly understood by the transfer student when studying the general baccalaureate degree requirements. A 3.00 "C" average is required for both the work taken at the University and for the overall collegiate work. This same 3.00 "C" average requirement prevails for the student's area of concentration in that he must have that average both for the work which he takes in his concentration at SIU and for the total work taken in the concentration. In addition, a transfer student may be placed on scholastic probation or may be scholastically suspended for a deficiency in either average.

MAKING SATISFACTORY PROGRESS: To ensure that a student makes satisfactory progress towards his educational objective, he is required to maintain both a 3.000 average on a quarter to quarter basis and a progressively improving grade point average as he accumulates hours. If he fails to do so he will be placed in a category other than Good Standing and may be suspended. A student who is on Good Standing will be placed on Scholastic Warning at the end of any quarter in which he fails to make a 3.000 average and has:

Fewer than 90 quarter hours calculated and a GPA below 3.000
90 but fewer than 138 hours calculated and a GPA below 3.100
138 or more calculated hours and a GPA below 3.150.
(Note: These requirements apply to both averages)

A student who earns a 3.000 or higher average will remain on Scholastic Warning until his grade point average meets the minimum GPA requirements specified above. A student on Scholastic Warning who fails to earn a 3.000 average for the quarter will be placed on Scholastic Probation. A student on Scholastic Probation who fails to earn a 3.000 average for that quarter of attendance will be suspended. An exception to this rule shall prevail for transfer students who have both averages above the 3.000 or "C" level but do not meet the minimal requirements above. They will remain on scholastic probation until both averages rise above the minimal levels specified previously, in which case they will advance to Good Standing.

SPRING QUARTER DEFICIENCY: A student must also have a progressively higher accumulative grade point average at the end of each Spring Quarter to ensure his making satisfactory progress towards the 3.000 averages required for graduation. When a student earns less than 3.000 average during a Spring quarter, he will be scholastically suspended if he has:

42-89 calculated quarter hours and a GPA below 2.600
90-113 calculated hours and a GPA below 2.700
114-137 calculated hours and a GPA below 2.800
138-153 calculated hours and a GPA below 2.900
154 or more calculated hours and a GPA below 2.950.
(Note: These requirements apply to both averages)

A student who earned a 3.000 average during a spring quarter but whose grade point average falls below the levels indicated above is placed on Scholastic Probation and is subject to the conditions of this status.

ACADEMIC STATUS: Undergraduate students will be in one of the following academic status categories:

1. Good Standing
2. Scholastic Warning: If a student is on Good Standing - Scholastic Warning, he is entitled to all the rights and privileges of a student in Good Standing, including the privilege of carrying up to 18 hours. However, he would best be advised to reduce his load. This status is used to alert the student of his precarious scholastic situation.
3. Scholastic Probation: The status of Scholastic Probation places certain limitations upon the student. He may not carry more than 14 hours (or less than 12 hours) without approval of his academic dean; he may not participate in extracurricular activities or hold a major office unless special permission is granted by a faculty committee; he is not eligible to operate a motor vehicle in Carbondale unless granted permission by the Motor Vehicle Committee. Also certain study hours and the like may be enforced by his living center.
4. Scholastic Suspension: Straight Scholastic Suspension is used for the student who is on Scholastic Probation and who fails to make a 3.00 average for the quarter. The readmission of a suspended student is within the jurisdiction of the dean of the unit to which readmission is being sought.
5. Scholastic Suspension - Spring Average Deficiency: At the end of each spring quarter a student who has accumulated a number of calculated hours must also have obtained the corresponding grade point average. Otherwise he will be suspended for Spring Average Deficiency and may seek reinstatement only after a minimum of two quarters interruption, but must furnish tangible evidence that additional education can be successfully undertaken.
6. Scholastic Suspension - Summer Conditions Not Met: This status is used for high school students who were admitted conditionally for summer term and who failed to achieve a 3.00 average for completion of eight hours of work.

Explanatory notes:

1. A student who enters from high school in Good Standing is guaranteed three quarters before Scholastic Suspension; he cannot go from Good Standing to Probation; he must go first to Good Standing - Scholastic Warning. Other students may go from Good Standing to Scholastic Suspension - Spring Average Deficiency.
2. A transfer student must maintain the required averages both for work taken at SIU and for all work taken. This is of critical importance for transfer students admitted for the spring quarter. The lower of the two averages is the one considered in determining academic status.
3. Pass/Fail courses have no influence on a student's grade point average nor on his academic status.
4. Since SIU does not use any one particular grade point average to determine Good Standing, Probation, and Suspension, it is possible for students with identical overall averages to be in different scholastic categories. For example, students may have the same average but having a different number of calculated hours may place them in different categories. Also, the students may have had a different entry status; or transfer work may be involved.

BASIC GRADUATION REQUIREMENTS

All students are expected to complete the general requirements for the bachelor's degree from Southern Illinois University. The basic requirements for a bachelor's degree are:

1. A minimum of 192 quarter hours* of credit in approved courses. A minimum of 64 of these must be in upper division courses. Upper division courses at Southern Illinois University are numbered 300 through 499. For students who transfer from schools on a semester basis, it should be noted that each semester hour is equivalent to one and one-half quarter hours. It should also be noted that no credit from a junior college may be counted as upper division work toward the 64 required even though the course may meet a senior college requirement.
2. The last 48 quarter hours must be earned in residence at SIU with at least 36 of these on the senior college level to meet the residence requirement.
3. A "C" average with grades not lower than "C" in at least three-fourths of the work and a "C" average in the major. The requirement of the "C" average applies both to the work taken at Southern Illinois University and to the overall average. Three-fourths of the work transferred from any school must be of "C" quality or better. Even though courses of "D" grade may not be accepted for hours passed because the student has exceeded the maximum number of hours of "D" work allowed, the courses will count toward meeting requirements. Courses of "D" and "E" grades are used in computing the cumulative grade point average. If a student takes a course more than one time, only the last grade is used in computing the average.
4. Completion of general studies requirements, upper division unit requirements and the requirements of the student's major and minor concentration.
5. The test on the Constitution of the United States and the State of Illinois are required before graduation from Southern Illinois University. If the student has taken the test at another school, the requirement will be met, provided passing the test is recorded on the transcript.

Students transferring from accredited two-year institutions should also know that the credit earned at that school is limited only by the provision that the student must earn the last 96 quarter hours required for the degree at Southern Illinois University or at any other approved four year institution, except that the student must meet the residence requirement for the degree from the University (#2 above).

* Selected areas of concentration require more than the 192 hour minimum and/or require summer experience.

GENERAL STUDIES for the TRANSFER STUDENT

Except for students entering the Vocational-Technical Institute, freshmen, transfer students who have fewer than 64 quarter hours of acceptable transfer credit, and those who present 64 to 96 hours of credit and who are undecided in their educational goals, are placed in the General Studies Division. While in the division a student experiences contact with several areas of knowledge which can assist him in the thoughtful selection of a professional goal. If he knows his goal, he may work on the professional area concurrently with the courses of the General Studies curriculum.

The General Studies curriculum provides the wider social and cultural understanding increasingly necessary for successful participation as citizens in modern society and a broad base upon which a specialization can be built.

The General Studies curriculum, which is unique in several respects, involves the student during advancing stages of academic endeavor. The objective is to furnish a carefully prepared mix of mutually complementary generalized and specialized courses.

General Studies Division does not award degrees. The General Studies curriculum is a component of all baccalaureate programs in Southern Illinois University. Upon completion of a sufficient part of his General Studies requirements, a student transfers into the college or school of his major concentration.

Offices of the dean and of the academic advisers for students in General Studies are located on the ground floor of the south wing of Woody Hall.

THE TRANSFER STUDENT AND GENERAL STUDIES: A transfer student who expects to graduate from Southern Illinois University must meet the General Studies requirements. It is recognized that in doing so he might experience difficulty in satisfying the specific course requirements within the General Studies program.

These requirements need not be completed prior to transfer but must be fulfilled to meet the General Graduation requirements. The program consists of 90 quarter hours divided into five areas.

AREA A: Physical and Biological Sciences

Area Requirements: A transfer needs a total of no less than 22 quarter (15 semester) hours of acceptable college level work in the area of science. A minimum of three specific fields which includes work in both the physical and the biological sciences must be completed within this specific twenty-two hour block.

Area A Elective Section: Courses which regularly count within this area are: Chemistry, physics, earth science, geology, botany, zoology, biological science, physical science, physical geography, a basic course in physiology, a basic course in astronomy, a general course in microbiology.

(Note): Technical physics may also be counted in this area.

AREA B: Social Studies

Area Requirements: In the area of social studies a transfer needs no less than 22 quarter (15 semester) hours of acceptable work in a minimum of three specific fields.

Area B Elective Section: Courses which regularly count within this area are: Introductory courses in sociology, psychology, economics, government, global or economic geography, anthropology, American, world or European history.

AREA C: Humanities

Area Requirements: The 22 quarter (15 semester) hours of acceptable college level work also applies to area of humanities and fine arts.

Area C Elective Section: Courses which regularly count within this area are in: Art and music appreciation, art and music history, survey courses in humanities, philosophy, oral interpretation of literature, survey literature courses such as poetry, fiction, modern literature, English and American literature.

(Note): One course in the applied arts may count in this area also.

(Note): Students who have satisfactorily completed six semester hours of English composition (SIU requires six quarter hours) will be given credit in Area C for this excessive English credit. In this case six semester hours equals nine quarter hours whereby the three quarter hours of English would be credited to Area C.

AREA D: Oral and Written Communication

Area Requirements: A student needs a total of no less than 17 quarter hours of acceptable college level work in the areas of English composition, speech, and mathematics or foreign language. (A student should check his recommended program sheet for the sequence his major recommends or requires.) An exception to this area exists in that the College of Liberal Arts and Sciences requires either two years of mathematics and one year of a foreign language or conversely.

Special Regulations in Area D:

1. Transferred math courses may be evaluated as GSD math or Math 111. If a student presents a course in college algebra with no trigonometry, the course will be evaluated as GSD math not as Math 111 (College Algebra and Trigonometry).

2. If the student presents a course in calculus or analytical geometry, he has satisfied a full year of General Studies math requirement. In this case no additional credit is allowed but advance standing is granted.

3. A course in technical math may be counted as satisfying part of the GSD math requirement.

4. A course in technical writing will satisfy part of the English composition requirement. However, if a student presents both a course in rhetoric or composition and a course in technical writing, he will receive credit for both toward graduation, but he will have to take a second course in English composition if he has not already done so.

5. Credit for excessive English composition credit may be counted in Area C - (See section C).

6. If a student presents one course in the intermediate level of a foreign language, he has satisfied the nine hour GSD requirement by advanced standing.

AREA E: Health and Physical Education

Area Requirements: A student needs satisfactory evidence of three quarter hours of acceptable college level work in the area of physical education and three quarter hours in health education. Six quarter hours are required.

Special Regulations in Area E:

1. Many institutions do not give a full hour of credit in physical education courses. However, if the student has completed a full year of P. E., he has satisfied the GSE activity course requirement.

2. Veterans may qualify for credit for their military experience. See section on the Evaluation of Credit.

MISCELLANEOUS:

If a transfer student presents no work in an area, he is required to complete the work in that area on the same basis as a student who entered SIU originally.

Students with certain evidence of prior accomplishment may satisfy some General Studies courses by requesting advance standing. Advance standing carries no credit, it simply enables the student to "bypass" (or be excused from) some General Studies requirements. Students should check with their adviser at SIU on their initial advisement session to determine their eligibility.

Students may satisfy some General Studies requirements by making certain approved substitutions of departmental courses for specified General Studies courses. Substitution requests are initiated at your advisement session.

Waivers are granted in Areas A, B, or C of General Studies, whichever is most closely related to the student's specialization. Transfers can check the recommended program sheet of his major to determine which area this department allows the six quarter waiver privilege. Final approval is initiated by the academic unit not by General Studies.

Any student who feels qualified to take a proficiency examination is eligible to apply. Credit is given to students passing proficiency exams with grades of A, B, or C. Credits by proficiency cannot exceed 48 quarter hours. Application for proficiency exam should be initiated at the Registrar's Office.

(Note): A grade of D or E by proficiency exam will not be reflected on a student's record. It will not carry credit nor grade points.

For additional information on acceleration and enrichment opportunities see pages 25-27.

EVALUATION OF TRANSFER CREDIT

After a transfer student has been admitted, his transfer work is evaluated in the Records Division of the Registrar's Office. This evaluation covers the student's extent of satisfaction of general degree and General Studies requirements. This evaluation provides other information such as senior hours lacking, total hours accepted, entry status, constitution requirements and the like. Transferred courses which are not General Studies courses are evaluated by the department concerned. Copies of this evaluation are mailed to the student and to the academic advisement center of the academic unit he will be entering at Southern.

TRANSCRIPTS: All students who have taken college level work at other institutions must have official transcripts of all work forwarded to the Admissions Office. Failure to comply with this ruling, failure to indicate all institutions attended, or incorrect information regarding status at the other institutions can result in dismissal for the student.

Transfer students who might qualify for advanced standing will have to have both their ACT profile and their high school transcripts available in the General Studies Office. It is the student's responsibility to see that these items are submitted.

Transfer students may be admitted on the basis of a partial or incomplete transcript. If the final, complete transcript has not been submitted, the student will not be allowed to register for a second quarter of attendance.

GENERAL PRINCIPLES GOVERNING ACCEPTANCE AND EVALUATION OF TRANSFER CREDIT:

1. Status of Institution

- A. If regionally accredited, credit is accepted unconditionally.
- B. If an Illinois two-year institution with Class I status, credit is accepted unconditionally. (See also statements E and F)
- C. If an institution without regional accreditation, credit may be accepted but on condition. The condition is successful completion of the first 36 calculated quarter hours at SIU with a "C" average or higher.
- D. The annual publications entitled, Report of Credit Given by Educational Institutions published by the AACRAO or Accredited Institutions of Higher Education published by ACE, are used for guidance relative to the status of institutions for credit acceptance purposes.

For students who transfer from non-baccalaureate programs in regionally accredited institutions, special regulations apply in terms of how credits will be accepted and evaluated.

- E. If the transfer student has completed an associate or equivalent degree with a "C" average or higher, an Official Evaluation of Transferred Credits is prepared for General Studies requirements and for technical, occupational, or vocational work. Since the early evaluation will be made before it is known if the student has completed his program with a "C" average, that evaluation will include only General Studies hours accepted. The completed evaluation will include also hours accepted for technical work.

Technical work in business and technology will be evaluated by the Registrar's Office according to Guidelines prescribed by the School of Business and the School of Technology. In general, full credit (up to a maximum of 80 quarter hours) will be accepted to count toward the hours required for the bachelor's degree.

Course work in technical areas other than business and technology will be submitted to the dean's office for evaluation.

- F. If the transfer student has not completed an associate or equivalent degree or has less than a "C" average, an Official Evaluation of Transferred Credits is prepared for General Studies requirements only. Technical, occupational, or vocational work will not be evaluated until the student has completed his first 36 calculated hours at SIU with a "C" average or higher.

(A special note should be made concerning transfer of credit for courses in Technical Report Writing, Technical Physics, and Technical Mathematics. These three courses have recently been approved to substitute for required courses in the General Studies Program).

For students who transfer from non-baccalaureate programs in non-regionally accredited institutions, special regulations also apply.

- G. Occupational work from a non-regionally accredited institution presented by a student with an associate or equivalent degree and with a "C" average will be evaluated only if the student achieves a "C" average or higher in the first 36 hours calculated at SIU. A preliminary evaluation is prepared for advisement purposes but no hours are granted.
- H. There is no provision for the granting of credit, except by proficiency examinations, for students coming from a non-regionally accredited institution without the associate or equivalent degree or with less than a "C" average.

All accepted occupational and technical credit will be examined by the department of the student's intended major to determine its applicability towards meeting degree requirements.

2. Hours accepted from a regionally accredited two-year institution is limited only by the policy that states this student must earn the last 96 quarter hours from a regionally accredited four-year institution or at Southern Illinois University. Also this student must meet residency requirements. Students presenting an excessive number of hours under this ruling will not necessarily have to repeat courses but might be required to take additional hours as electives to meet general graduation requirements.
3. Work taken by extension or correspondence at accredited institutions is accepted unconditionally so long as it does not exceed the total amount of acceptable hours toward the baccalaureate degree. Correspondence work must be "C" or better and extension work is subjected to the same requirements concerning "D" work.
4. Credit for military experience may be granted as follows:
- A. One year or more service allows nine credit hours: P. E. (3 hours); Health Education (3 hours); and Aerospace Studies (3 hours).
 - B. Six months to a year of service allows three credit hours in Aerospace Studies only.
 - C. Less than six months allows no credit.
 - D. Additional credit for special courses taken in service schools is sometimes possible.
 - E. If a veteran takes courses in these areas or has previously completed any of the above coursework, his military credit is reduced accordingly.
5. All work completed at foreign schools must be evaluated through the Assistant Director of Admissions.

6. Credit Hours and Grade Points

- A. The conversion of semester hours to quarter hours is accomplished by multiplying the semester hour(s) by 1.5.
- B. A maximum of $\frac{1}{4}$ of the work accepted from each institution can be of "D" quality. To determine the number of "D" hours acceptable from each institution, the following formula is used:

$$1/3 \text{ of } \frac{\text{total \# of hrs. of "C" or better}}{\text{\# of acceptable "D" hours}} =$$

Courses in which a grade of "D" was earned may satisfy a requirement even though the hours of credit are not accepted toward the 192 hours necessary for graduation. For example, if a student transfers in 4.5 hours of sociology, with a grade of "D" the credit may or may not be accepted, but the GSB 201b requirement is satisfied and would not necessarily have to be repeated.

- C. All grades are recorded and averaged in the student's overall grade-point average whether the hours count toward graduation or not.

7. Only the last grade (higher or lower) will be computed in the G.P.A. (This policy is under consideration for change.)
8. Pass-fail credit, advance standing granted, proficiency credit (maximum 16 hours) is recognized and may be accepted.
9. Grades and credit for preparatory or developmental courses will not be calculated in the student's grade-point average (G.P.A.).
10. The evaluation of transfer credit may not always be available for the first advisement appointment or it may be an incomplete evaluation if the student was initially admitted on a partial transcript. In this case, the student should be aware of his completed work.
11. If the evaluation appears to be in error, the student and/or his advisor should contact the Registrar's Office.
12. Further comments regarding transfer credit may be found in the General Studies Section, in the Recommended Programs, or within the Transcript Evaluation section.

*INSTITUTIONAL COMPARISON

Official College Name

City

State

CATALOG:

DEGREES OFFERED:

CONSTITUTION REQUIREMENTS:

NUMBERING SYSTEM:

UNIT OF CREDIT:

GRADING SYSTEM:

GENERAL COMMENTS:

*As soon as time permits, the University will furnish your community college the information to be inserted in this section. This information will pertain only to your college and the Official Evaluation of Transferred Credits of students entering SIU from your college. This service will be restricted to Illinois two year institutions and selected others.

AREA A - GSA
Physical and Biological Sciences

(Courses mentioned below are not listed as equivalents but will satisfy the course requirements.)

SIU at Carbondale

- 101a Intro to Physical Science (Phys.) _____
- 101b Intro to Physical Science (Chem.) _____
- 110a,b Earth Science _____
- 201a,b Introductory Biology _____
- 210a,b Introductory Environmental Biology _____
- 299a,b Experimental Course - Survival of Man _____
- 301 Principles of Physiology _____
- 302 Psychophysiological Foundations of Behavior _____
- 303 Ferns, Trees, & Wild Flowers: The Pleasure of Recognition _____
- 312 Conservation of Natural Resources _____
- 313 Evolution _____
- 314 Man's Genetic Heritage _____
- 315 History of Biology _____
- 321 Introduction to Paleontology _____
- 322 Introduction to Rocks and Minerals _____
- 330 Weather _____
- 331 Climate _____
- 335a Environmental Pollution, Chemical Aspects _____
- 340 Ecology _____
- 345 Economic Botany _____
- 358a,b Analysis of Physical Systems _____
- 361 Physics of Music and Acoustics _____
- 363 Philosophy of Science _____

CREDIT (CR): Credit will be given to these courses towards meeting these area requirements even though SIU does not offer a similar course(s).

AREA B - GSB
Social Studies

- 100b,c History_____
- 102a,b Geography_____
- 201b,c Intro to Sociology - Psychology_____
- 210 Intercultural Seminar_____
- 211a,b Economics - Government_____
- 299a,b Experimental Course - Survival of Man_____
- 300a,b,c History of the United States_____
- 301 Law: Comparative Legal Systems_____
- 302 Law: Civil Rights_____
- 303 International Relations_____
- 304 Law: History and Philosophy_____
- 306 Child Development_____
- 309 Introduction to Black America_____
- 310 Current Events_____
- 311 Economic Development of the United States_____
- 312 Comparative Economic Systems_____
- 314 Economic Analysis of the Agricultural Policies of the U.S._____
- 320 Modern Britain_____
- 321 Socialization of the Individual_____
- 325 Race and Minority Relations_____
- 331 The American Educational Systems_____
- 340 Human Relations Between the Sexes_____
- 341 Marriage_____
- 345 Introduction to American Foreign Policy_____
- 346 Consumer Choice and Behavior_____
- 353 Economic Geography of Resource Management_____
- 354 Industrial Economic Geography_____
- 355 Geography of the United States_____
- 356 Geography of Subsaharan Africa_____

GSB Con't.

- 361 Fundamentals of Decision Making_____
- 369 The Contemporary Far East_____
- 377 Issues of Today_____
- 380a,b East Europe: Cultural Heritage and Present Institutions_____
- 385 Contemporary Political Isms_____
- 390 Introduction to Comparative Government_____
- 391 Introduction to Sub-Saharan African Government & Politics_____
- 392 Introduction to Latin American Government & Politics_____

CREDIT (CR): Credit will be given to these courses towards meeting these area requirements even though SIU does not offer a similar course(s).

AREA C - GSC

Humanities

- 100 Music Understanding _____
- 101 Art Appreciation _____
- 102 Philosophy (Ethics) _____
- 103 World Literature for Composition _____
- 110a,b,c An Introduction to Western Humanities _____
- 200 The Oral Interpretation of Literature _____
- 201 Introduction to Drama _____
- 202 Introduction to Poetry _____
- 203 Drama and the Arts of the Theater _____
- 204 Meaning in the Visual Arts _____
- 205 Design _____
- 206 Foundations of Music _____
- 207 Philosophy of the Beautiful _____
- 208 Logic and Meaning _____
- 209 Modern Literature: Form and Idea _____
- 210 Introduction to Fiction _____
- 211a,b,c An Introduction to Oriental Humanities _____
- 215 Types of Religion _____
- 299a,b Experimental Course - Survival of Man _____
- 305 Contemporary French Drama _____
- 307 Early Islamic Culture and Civilization _____
- 310 Religious Foundations of Western Civilization _____
- 311 Philosophies and Religions of India _____
- 312 Philosophies and Religions of the Far East _____
- 317 Recent American Literature _____
- 318 Modern British Literature _____
- 320 Greek Literature in Translation _____
- 325 Black American Writers _____
- 330 Classical Mythology _____
- 331 Latin Literature in Translation _____

GSC Con't.

- 332 Classical Drama _____
- 333 The Bible as Literature _____
- 340 Modern Art A: The Art of the 19th Century _____
- 341 Modern Art B: Art of the Early 20th Century _____
- 342 Modern Art C: Art of the Mid 20th Century _____
- 345a,b,c Masterpieces of World Literature _____
- 348 Photography as Communication and Art _____
- 349 The Cinema _____
- 351a,b Masterpieces of the Novel _____
- 354a,b History of the Theater _____
- 363a,b Philosophy of Science _____
- 381 Greek Philosophy _____
- 382 Graeco-Roman and Medieval Philosophies _____
- 383 Early Modern Philosophy _____
- 386 Early American Philosophy _____
- 387 Recent American Philosophy _____

CREDIT (CR): Credit will be given to these courses towards meeting these area requirements even though SIU does not offer a similar course(s).

AREA D - GSD

Organization and Communication of Ideas

- 101 English Composition _____
- 102 English Composition _____
- 103 Oral Communication of Ideas _____
- 107 Basic College Mathematics _____
- 109 Elements of Probability _____
- 110 Economic and Business Statistics _____
- 120a,b,c Elementary Chinese _____
- 123a,b,c Elementary French _____
- 126a,b,c Elementary German _____
- 130a,b,c Elementary Greek _____
- 133a,b,c Elementary Latin _____
- 135a,b,c Elementary Portuguese _____
- 136a,b,c Elementary Russian _____
- 140a,b,c Elementary Spanish _____
- 144a,b,c Elementary Italian _____
- 210a,b,c Uncommon Languages _____

CREDIT (CR): Credit will be given to these courses towards meeting these area requirements even though SIU does not offer a similar course(s).

AREA E - GSE
Health and Physical Development

- 100a,b,c Restricted Physical Education (Men) _____
- 101 Swimming (Men) _____
- 102 Physical Fitness (Men) _____
- 103 Dance (Men) _____
- 104 Individual and Team Activity (Men) _____
- 105 Weight Control _____
- 110 Restricted Physical Education (Women) _____
- 111 Swimming (Women) _____
- 112 Exercise for Fitness (Women) _____
- 113 Dance (Women) _____
- 114 Individual and Team Activity (Women) _____
- 201 Healthful Living _____

CREDIT (CR): Credit will be given to these courses towards meeting these area requirements even though SIU does not offer a similar course(s).

PROFESSIONAL COURSES

(Courses may be added to this section if it is known that the course will satisfy a specific departmental requirement at SIU).

[illegible]

I N S T R U C T I O N A L U N I T S

General Studies
Pre-Professional Programs
Vocational-Technical Institute

School of Agriculture
School of Business
College of Communications and Fine Arts
College of Education
School of Home Economics
College of Liberal Arts and Sciences
School of Medicine
School of Technology
Other Majors

GENERAL STUDIES

The General Studies program is to be completed by all students who seek a baccalaureate degree. The curriculum consists of 90 quarter hours with the objective of providing each student with a broad base of generalized courses. If the student has already selected a major field of study, work in this area is permitted concurrently with General Studies courses. After completion of 64 and before 96 quarter hours, the student will petition for admission to the academic unit offering his desired major.

The General Studies program is, for the purpose of organization, divided into five areas each designated by a letter of the alphabet. The areas include GSA Science, GSB Social Studies, GSC Humanities, GSD Oral and Written Communication, and GSE Health and Physical Education.

The University requires in the GSA Science area a total of twenty-two hours of credit (6 courses). The freshman may explore the fields of physics and chemistry to meet this requirement, or elect the earth science (geology and physical geography) sequence. The sophomore pursues a two-course sequence in biology. The junior may elect any two courses from some sixteen available to complete the requirements.

Considerable freedom is also available to the student in meeting the six-course twenty-two-hour GSB Social Studies requirements. A freshman may elect courses in anthropology and geography or a two-course sequence in Western Civilization. On the sophomore level, courses in either economics and government or sociology and psychology are available. At the junior level, two courses are selected from twenty-one offered.

The GSC Humanities area also permits considerable freedom in obtaining twenty-two hours. During the first year, a student may follow a sequence of courses in either music or art appreciation, philosophy, and literature; or he may elect a three-course sequence in Western Humanities. During the sophomore year he selects three courses from twelve available in two groups. At the junior year he elects two courses from twenty-seven available.

The GSD Oral and Written Communication area is by design more restricted, with a maximum of eighteen hours required. All students are required to complete a two-course sequence in rhetoric-composition and a course in speech followed by or in conjunction with a year's sequence in mathematics or foreign language. There is no requirement at the sophomore or junior level in this area.

Six hours are required in the area of GSE Health and Physical Education. Here the student completes one year of physical education activity and a course in health education.

Additional information will be supplied by the General Studies Division in Woody Hall and the student's adviser at the time of advisement. A special section on General Studies for the transfer student is found on pages 33-35.

PRE-PROFESSIONAL PROGRAMS

A student planning to take pre-professional courses in any of the following areas should, after completing General Studies, register in the College of Liberal Arts and Sciences. A course of study called pre-professional does not lead to a degree at SIU.

Dentistry
*Law
**Medicine
Occupational Therapy
Physical Therapy

***Public Health
Pharmacy
Theology
Veterinary Science
Medical Technology

Pre-professional students may, subject to certain conditions, obtained a bachelor's degree after three years of work (144 quarter hours) at SIU and one or more years or work in a professional school. During the three years at SIU, the student must complete all requirements (other than elective hours) for the particular bachelor's degree he is seeking.

In some cases students may complete requirements for a major at the professional school, but this is permitted only upon the prior approval of the appropriate divisional head. Also, there needs to be completion of at least one year of professional work with acceptable grades in a Class A medical school, a Class A dental school, a Class A veterinary school, an approved law school, an accredited medical technology school, or a hospital plan approved by the University.

In all cases, all SIU graduation requirements must be met. It is advisable for a student to make his decision to seek a bachelor's degree before entering the professional school so that questions can be clarified early.

Scheduling of science courses is important for most professional students.

Students should be made aware of the fact that Counseling and Testing schedules aptitude and/or achievement tests for some professions; pre-registration is necessary for some of these tests.

*A professional law school has been proposed.

**By action of the SIU Board of Trustees and the Illinois Board of Higher Education, a School of Medicine has been approved and will begin operations in the Fall Quarter of 1972 on the Carbondale campus. As of now a student would be considered for admission after the completion of a minimum of three years of college level work at a regionally accredited institution. Candidates who hold a bachelors degree will also be considered. Entrance into the professional school will be determined on the basis of the results of the Medical College Aptitude Test and standards set forth by the Admission Committee of the School of Medicine. After admission to the Medical program the candidate will begin four years of integrated studies. The first year will be spend on the Carbondale campus and the latter three in St. Joseph's and Memorial hospitals in Springfield, Illinois. Further inquiries should be directed to: Dr. Richard Lee, School of Medicine, Anthony Hall, SIU at Carbondale, Carbondale, Illinois 62901. Phone: (618) 536-2103.

***Recommended program not listed. Consult the College of Education for requirements.

Recommended Program

PRE-DENTISTRY (Pre-Professional)

College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSB	Social Studies Electives ¹	4	-	4
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD	Foreign Language ²	3	3	3
GSE	Physical Education	1	1	1
Math 111a, b	College Algebra and Trigonometry ²	5	5	-
Chem. 121a, b	General Chem. & Qualitative Analysis ³	-	5	5
		16	17	19
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 201a, b	Introductory Biology ⁴	-	4	4
GSC	Social Studies ¹	4	-	4
GSC	Humanities Electives ¹	3	3	-
GSE 201	Healthful Living	3	-	-
Math 150a, b	Elem. Calculus & Analytic Geom. ²	5	5	-
Phys 206a, b, c	College Physics ³	3	3	3
Phys 207a, b, c	College Physics Laboratory ³	1	1	1
Chem. 305a	Organic Chemistry-Preprofessional	-	-	5
		16	16	17

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¹Select from General Studies Elective Sections

²The College of Liberal Arts and Sciences requires either two years of Mathematics and one year of Foreign Language or conversely. Math 111a, b substitutes for GSD Math.

³These courses substitute for GSA 101a, b.

⁴Any student who passes the proficiency test or receives advanced standing in GSA 201a, b should go directly into the biology core courses.

Comments: Students should take the Dental Achievement Test no later than the fall of his junior year.

A candidate for the bachelor's degree must have completed 144 quarter hours before going to a professional school.

A total of 48 hours with at least a "C" average can be transferred from an approved medical school toward a major and the bachelor's degree at SIU.

Students unable to take professional courses listed above should attempt completing their remaining General Studies courses which include six quarter hours of Social Studies and thirteen hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program

PRE-LAW

(Pre-Professional)

College of Liberal Arts and Sciences

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA	Science Electives ¹	-	4	4
GSB	Social Studies Electives ¹	-	4	-
GSC 100	Music Understanding	3	-	-
GSC 102	Philosophy (Ethics)	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD	Foreign Language ²	3	3	3
GSD 109	Elements of Probability ²	-	3	-
GSE	Physical Education	1	1	1
Math 111a	College Algebra & Trigonometry	5	-	-
		15	18	17
<u>Second Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA	Science Electives ¹	4	-	-
GSB 201b	Introduction to Sociology	4	-	-
GSB 201c	Introduction to Psychology	-	4	-
GSB 211a	Introduction to Economics	-	-	4
GSC 208	Philosophy (Logic)	4	-	-
GSD	Foreign Language, Intermediate ²	3	3	3
GSE 201	Healthful Living	3	-	-
Govt. 231	American Government ³	-	4	-
Govt. 232	State and Local Government ³	-	-	4
Acct. 251a, b	Financial Accounting ⁴	-	5	5
		18	15	16

¹Select from General Studies Elective Sections.

²The College of Liberal Arts and Sciences requires either two years of Foreign Language and one year of Math or conversely.

³Recommended Electives.

⁴Required by most law schools.

Comments: Electives should be chosen in consultation with the Pre-Law advisor.

The Law School Aptitude Test should be taken in November of the Senior year.

Admission to most law schools in the future will ordinarily require a bachelor's degree. Most law schools do not define any courses or majors required for admission but prefer a liberal education emphasizing the development of Skill with language, reasoning power, and a broad knowledge of human institutions.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include ten quarter hours of Science, two hours of Social Studies, and nine hours of Humanities.

Recommended Program

PRE-MEDICINE (Pre-Professional)

College of Liberal Arts and Sciences

<u>First Year</u>		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSC	Social Studies Electives ¹	4	-	4
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD	Foreign Language ²	3	3	3
GSE	Physical Education	1	1	1
Math 111a, b	College Algebra & Trigonometry ²	5	5	-
Chem. 121a, b	General Chem. & Qualitative Analysis ³	-	5	5
		<u>16</u>	<u>17</u>	<u>19</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 201a, b	Introductory Biology ⁴	-	4	4
GSC	Social Studies ¹	4	-	4
GSC	Humanities Electives ¹	3	3	-
GSE 201	Healthful Living	3	-	-
Math 150a, b	Elem. Calculus & Analytic Geometry ²	5	5	-
Phys 206a, b, c	College Physics ³	3	3	3
Phys 207a, b, c	College Physics Laboratory ³	1	1	1
Chem. 305a	Organic Chemistry - Preprofessional	-	-	5
		<u>19</u>	<u>16</u>	<u>17</u>

¹Select from General Studies Elective Sections.

²The College of Liberal Arts and Sciences requires either two years of Mathematics and one year of Foreign Language or conversely. Math 111a, b substitutes for GSD Math.

³These courses substitute for GSA 101a, b.

⁴Any student who passes the proficiency test or receives advanced standing in GSA 201a,b should go directly into the biology core courses.

Comments: Students should take the Medical Achievement Test no later than the fall of his junior year.

A candidate for the bachelors degree must have completed 144 quarter hours before going to a professional school.

A total of 48 hours with at least a "C" average can be transferred from an approved medical school toward a major and the bachelor's degree at SIU.

Students unable to take professional courses listed above should attempt completing their remaining General Studies courses which include six quarter hours of Social Studies and thirteen hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program
PRE-OCCUPATIONAL THERAPY
 (Pre-professional)

College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA 101a	Introduction to Physical Science	4	-	-
GSB	Social Studies Electives ¹	4	4	-
GSB 201b	Intro to Sociology	-	-	4
GSC	Humanities Elective ¹	-	3	-
GSC 100	Music Understanding	3	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD	Foreign Language ²	3	3	3
GSE	Physical Education	1	1	1
Chem. 110	General and Inorganic Chemistry ³	-	4	-
Chem. 240	Organic Chemistry ³	-	-	4
		<u>18</u>	<u>18</u>	<u>18</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 201a, b	Introductory Biology ⁴	4	4	-
GSB 201c	Intro to Psychology	4	-	-
GSC	Humanities Electives ¹	-	-	6
GSD	Foreign Language, Intermediate ²	3	3	3
GSE 201	Healthful Living	3	-	-
Math 111a, b	College Algebra and Trigonometry ²	5	5	-
Art 100	Basic Studio	-	5	5
T.I.Ed. 303	Diversified Crafts	-	-	4
		<u>19</u>	<u>17</u>	<u>18</u>

¹Select from General Studies elective sections

²The College of Liberal Arts and Sciences requires either two years of foreign language and one year of math or conversely. GSD math can be substituted for Math 111a, b.

³Substitutes for GSA 101b.

⁴Any student who passes the proficiency test or receives advanced standing in GSA 201a, b should go directly into the biology core courses.

Comments: Electives in woodworking or similar technical sciences are advised.

S.I.U. is not affiliated with any professional school. Transfer can usually be made in the junior year.

Students should consult with the advisor on recommended electives concerning transfer.

Students unable to take professional courses above should attempt completing their remaining General Studies requirements which include two quarter hours of Science, six hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program

PRE-PHYSICAL THERAPY
(Pre-Professional)

College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSB	Social Studies Electives ¹	4	4	-
GSC	Humanities Electives ¹	3	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	3	-	-
Chem. 121a, b	General Chem. & Qualitative Analysis ²	-	5	5
Math. 111a, b	College Algebra & Trigonometry ³	-	5	5
		<u>14</u>	<u>18</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 201a, b	Introductory Biology	-	4	4
GSA 302	Psychophysiological Foundations of Behavior	-	-	3
GSB 201b	Introduction to Sociology	4	-	-
GSB 201c	Introduction to Psychology	-	-	4
GSC	Humanities Elective ¹	3	-	-
GSC 201	Introduction to Drama	-	3	-
GSC 209	Modern Literature	4	-	-
GSD	Foreign Language ³	3	3	3
Physiol. 300	Human Anatomy	4	-	-
Psyc. 301	Child Psychology	-	4	-
Psyc. 303	Adolescent Psychology	-	-	4
Psyc. 307	Social Psychology	-	4	-
		<u>18</u>	<u>18</u>	<u>18</u>

¹Select from General Studies Elective Sections

²Substitutes for GSA course work.

³A student should continue to a second year of foreign language (intermediate level) or mathematics (through calculus).

Comments: Students may apply to a professional school after two years and take two years at that school. If a student applies after three years of college, he attends the professional school for one year. The undergraduate courses should emphasize anatomy, physiology, psychology and physical education. A second year of English literature is advised. S.I.U. currently has no liaison with any professional school. Therefore, the student is not granted the A.B. degree from S.I.U. unless senior work is completed in addition to the professional training.

Recommended Program
PRE-PHARMACY
 (Pre-professional)
 College of Liberal Arts and Sciences

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA 101a	Introduction to Physical Science	4	-	-
GSB	Social Studies Elective ¹	4	-	-
GSC	Humanities Electives ¹	3	3	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	3	-	-
Math 111a, b	College Algebra and Trigonometry	-	5	5
Chem. 121a, b	General Chemistry & Qualitative Analysis	-	5	5
		<u>18</u>	<u>17</u>	<u>17</u>

¹Select from General Studies elective sections

Comments: Students are generally advised against taking more than one year at S.I.U. because advanced standing for more than one year will usually not be granted by a School of Pharmacy. There are some exceptions to this statement. The St. Louis College of Pharmacy required two years of pre-professional work. Any applicant for that program should consult the pre-medical advisor and obtain the recommended two-year curriculum guide at Southern.

Additional summer training in the biological sciences is urged, and some pharmacy schools require it. Please consult the pre-medical advisor.

Recommended Program
PRE-THEOLOGY¹
 (Pre-professional)
 College of Liberal Arts and Sciences

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA 101a, b	Intro to Physical Sciences	-	4	4
GSB 101b, c	Western Civilization History	4	4	-
GSB 102a	Anthropology	-	-	4
GSC 102	Philosophy (Ethics)	3	3	-
GSC 207	Philosophy	3	-	-
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD	Foreign Language	3	3	3
GSE	Physical Education	<u>1</u>	<u>1</u>	<u>1</u>
		17	18	15
<u>Second Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA 201a, b	Introductory Biology	4	4	-
GSB 201b	Intro to Sociology	4	-	-
GSB 201c	Intro to Psychology	-	4	-
GSB 211b	American Government	-	-	4
GSC 208	Philosophy (Logic)	4	-	-
GSE 201	Healthful Living	-	-	3
Ed. Adm. 355	Philosophy of Education	-	-	4
Phil. 301	Philosophy of Religion	-	4	-
Elect.	Electives	<u>4</u>	<u>4</u>	<u>4</u>
		16	16	15

¹A student planning to enter the ministry should consult with his clergyman or his major professor at the earliest time. He should obtain a catalog of the seminary he plans to enter and prepare himself to meet its specific entrance requirements. Generally these can be completed in from two to four years of residence at Southern. The American Association of Theological Schools suggests a broad, basic education with an emphasis on an ability to think, speak, and write clearly and correctly. An undergraduate major in religion is not available at Southern, but such undergraduate specialization is not usually desirable. Among suitable majors leading to the required bachelor's degree are philosophy, history, and sociology.

Recommended Program

PRE-VETERINARY (Pre-Professional)

College of Liberal Arts and Sciences

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSB	Social Studies Electives ¹	4	-	4
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD	Foreign Language ²	3	3	3
GSE	Physical Education	1	1	1
Math. 111a, b	College Algebra & Trigonometry ²	5	5	-
Chem. 121a, b	General Chem. & Qualitative Analysis ³	-	5	5
		<u>16</u>	<u>17</u>	<u>19</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 201a, b	Introductory Biology ⁴	-	4	4
GSB	Social Studies ¹	4	-	4
GSC	Humanities Electives ¹	3	3	-
GSE 201	Healthful Living	3	-	-
Math 150a, b	Elem. Calculus & Analytic Geometry ²	5	5	-
Phys 206a, b, c	College Physics ³	3	3	3
Phys 207a, b, c	College Physics Laboratory ³	1	1	1
Chem. 305a	Organic Chemistry - Preprofessional	-	-	5
		<u>19</u>	<u>16</u>	<u>17</u>

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¹Select from General Studies Elective Sections.

²The College of Liberal Arts and Sciences requires either two years of Mathematics and one year of Foreign Language or conversely. Math 111a, b substitutes for GSD Math.

³These courses substitute for GSA 101a, b.

⁴Any student who passes the proficiency test or receives advanced standing in GSA 201a, b should go directly into the biology core courses.

Comments: Students are eligible for the professional school after three years at SIU.

Students who remain in SIU for four years should take elective courses in botany, microbiology, and animal industry. Also two more biology core courses.

Students unable to take professional courses listed above should attempt completing their remaining General Studies courses which include six quarter hours of Social Studies and thirteen hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program

PRE-MEDICAL TECHNOLOGY (Pre-Professional)

College of Liberal Arts and Sciences

<u>First Year</u>		Fall	Winter	Spring
		<u>Ot.</u>	<u>Ot.</u>	<u>Ot.</u>
GSB	Social Studies Electives ¹	4	-	4
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD	Foreign Language ²	3	3	3
GSE	Physical Education	1	1	1
Math 111a, b	College Algebra & Trigonometry ²	5	5	-
Chem. 121a, b	General Chem. & Qualitative Analysis ³	-	5	5
		<u>16</u>	<u>17</u>	<u>19</u>
<u>Second Year</u>		Fall	Winter	Spring
GSA 201a, b	Introductory Biology ⁴	-	4	4
GSB	Social Studies ¹	4	-	4
GSC	Humanities Electives ¹	3	3	-
GSE 201	Healthful Living	3	-	-
Math 150a, b	Elem Calculus & Analytic Geometry ²	5	5	-
Phys 206a, b, c	College Physics ³	3	3	3
Phys 207a, b, c	College Physics Laboratory ³	1	1	1
Chem. 305a	Organic Chemistry - Preprofessional	-	-	5
		<u>19</u>	<u>16</u>	<u>17</u>

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¹Select from General Studies Elective Sections.

²The College of Liberal Arts & Sciences requires either two years of Mathematics and one year of Foreign Language or conversely. Math 111a, b substitutes for GSD Math.

³These courses substitute for GSA 101a, b.

⁴Any student who passes the proficiency test or receives advanced standing in GSA 201a, b should go directly into the biology courses.

Comments: The student may transfer in his fourth year to a professional school approved by SIU and transfer 48 hours of "C" grade credit back to SIU for senior level credit toward his major and the B.A. degree. Transfer is not an automatic right but must be discussed with the adviser.

Students unable to take professional courses listed above should attempt completing their remaining General Studies courses which include six quarter hours of Social Studies and thirteen hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

VOCATIONAL TECHNICAL INSTITUTE

The Vocational-Technical Institute was established in September, 1952, to provide college-level programs of instruction of shorter duration than the usual four-year programs. The institute's programs qualify students for employment at the semi-professional and technical level in industry, the allied health occupations, and business. A combination of technical courses and general education courses is included in each curriculum to provide a comprehensive preparation for occupational competence.

The Vocational-Technical Institute's campus (Southern Acres) is located about ten miles east of Carbondale and five miles west of Marion on old Route 13. Available two-year associate programs include:

Accounting	Highway and Civil Technology
Architectural Drafting & Design Tech.	Industrial Data Processing
Automotive Technology	Legal Secretarial
Aviation Technology	Library and Audio-Visual Technical Assistants
Building Construction Tech.	Machine Drafting & Design Technology
Business Data Processing	Medical Secretarial
Commercial Art	Mortuary Science and Funeral Service
Cooperative Retailing	Physical Therapy Assistants
Corrections and Law Enforcement	Printing Technology
Dental Hygiene	Tool and Manufacturing Technology
Dental Laboratory Technology	Water Resources Technology
Electronics Technology	
Executive Secretarial	

A one year Practical Nursing Certificate program is also available for interested students.

Detailed and complete curriculum explanations on each program are available in the Vocational-Technical Institute Catalog. Copies of this SIU Bulletin may be obtained by writing the Central Publications Office.

SCHOOL OF AGRICULTURE

The School of Agriculture provides opportunity for the students to prepare themselves professionally through concentrating on study of agricultural and forest production and services and industries closely related thereto. Through teaching of formal courses, conducting research of significance to agriculture and forestry of the area, and providing consultation and service to the people of Southern Illinois in all phases of agriculture, forestry, and related occupations, the School of Agriculture strives to encourage better use of rural resources for the general welfare.

More than eighty-five percent of Southern Illinois University's graduates in agriculture have entered such major employment areas as agricultural business, advanced professional training for research and teaching, agricultural education, and government services. About ten percent have gone into farming. Most forestry graduates have taken governmental or industrial positions. Graduates receive the Bachelor of Science degree.

The Agriculture Building houses the offices, classrooms, and laboratories of the school.

ACCREDITATION: North Central Association of Colleges and Secondary Schools

*Society of American Foresters *(Recognition Pending)

DEGREES OFFERED: Bachelor of Science

Agricultural Education	Forestry
Agricultural Industries	Forest Resource Management
Agricultural Business	Park & Wildlands Management
Agricultural Economics	Outdoor Recreation Resource Management
Agricultural Mechanization	Plant Industries
Agriculture, General	Business
Animal Industries	General
Business	Science
Production	*Veterinary Science (See pre-
Science	professional programs)

GRADUATE PROGRAMS: The School of Agriculture has degree programs leading towards the Master of Science, Specialist Certificate, and the Doctor of Philosophy. Many of the programs are listed above while there are additional options, not listed, available only at the Graduate level.

For more specific information consult with the School of Agriculture, the Graduate School Office, or write to Central Publications, Southern Illinois University, for a free copy of the Carbondale Campus Graduate School Catalog.

ORGANIZATIONS: Scholastic and Professional Honoraries: Alpha Zeta (Agriculture) and Xi Sigma Pi (Forestry).

Special Interests: Little Egypt Agriculture Cooperative (LEAC)

Departmental: Agriculture Economics Club, Agriculture Industries Graduate Student Council, Agriculture Student Advisory Council, Block and Bridle Club, Forestry Club, and the Plant Industries, Soil and Water Conservation Club.

TRANSFER STUDENTS: If Agriculture is offered for transfer credit at a regionally accredited associate degree granting college, introductory courses in the various fields may be accepted at SIU in lieu of equivalent courses. Also approximately one-half of the credit for occupational and technical courses may be accepted to apply as free electives or agricultural electives. All majors within the School of Agriculture must have work in College Algebra, Botany or Zoology or Biology, Chemistry, Economics, and Speech.

FOR FURTHER INFORMATION:

Chief Academic Adviser	or	Chairman of (State Major)	or	Admissions Office
School of Agriculture		School of Agriculture		Woody Hall
Ph: (618) 453-2460				Ph: (618) 453-4381

Southern Illinois University at Carbondale
Carbondale, Illinois 62901

Recommended Program
AGRICULTURAL EDUCATION, VOCATIONAL¹ -
 School of Agriculture

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA 101a	Introduction to Physical Science	-	4	-
*GSA 101b	Introduction to Physical Science) ²			
*Chem. 121	General Chem. and Qualitative)Select One Analysis)	-	-	4-5
GSB	Social Studies Elective ³	-	-	4
GSC 100	Music Understanding)			
GSC 101	Art Appreciation. .)Select One	3	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 107a, b	Introduction to Basic Math)			
Math 111a, b	College Algebra and Trig.)Select One	5	3-5	-
GSE	Physical Education	1	1	1
Ag. Ind. 204	Introduction to Ag. Economics ⁴	4	-	-
An. Ind. 121	Animal Science	-	5	-
Pl. Ind.	Principles of Field Crop Production	-	-	4
		<u>16</u>	<u>16-18</u>	<u>16-17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 201a, b	Introductory Biology	4	4	-
GSA	Science Elective ³	-	-	3
GSB	Social Studies Elective ³	4	-	-
GSB 211b	American Government	4	-	-
GSB 201c	Introduction to Psychology	-	4	-
GSC 102	Philosophy (Ethics)	-	3	-
GSC	Humanities Elective ³	-	-	3
GSD 103	Speech	-	3	-
GSE 201	Healthful Living	-	-	3
An. Ind. 315	Feeds and Feeding	4	-	-
Ag. Ind. 210	Introduction to Ag. Education	-	2	-
Agriculture	Agriculture Elective	-	-	3-4
Pl. Ind. 301	Soil Science	-	-	5
		<u>16</u>	<u>16</u>	<u>17-18</u>

*Required by the academic unit.

¹A student has the opportunity of specializing in one of the following areas: agriculture, business, agricultural mechanization, ornamental horticulture, plant production, soil conservation, parks and recreation, forestry and conservation, and animal production.

²A student with background and interest in Chemistry is recommended to take Chemistry 121a, b. GSA 101b (Chemistry) is a minimum requirement. If the student elects GSA 110a, b (Earth Science) he must still take Chemistry.

³Select requirements from General Elective Sections.

⁴A substitute for GSB 211a.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include three quarter hours of Science, two hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive 6 quarter hours of the above General Studies requirements in Area GSA (Science) or GSB (Social Studies) according to area interest.

Recommended Program
AGRICULTURAL INDUSTRIES
 (Agricultural Business Option)
 (Agricultural Economics Option)
 School of Agriculture

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA 101a, b	Introduction to Physical Science	-	4	4
GSC 100	Music Understanding)			
GSC 101	Art Appreciation. .) Select One	3	-	-
GSC 102	Philosophy (Ethics)	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 107	Intro. to Basic College Math.)			
Math 111a	College Algebra and Trig. . .) Select One	5	-	-
GSD 110	Economics and Business Statistics	-	3	-
GSE	Physical Education	1	1	1
Ag. Ind. 204	Intro. to Agricultural Economics	4	-	-
An. Ind. 121	Animal Science	-	5	-
Pl. Ind. 109	Principles of Field Crop Production	-	-	4
		<u>16</u>	<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 201a	Introductory Biology	4	4	-
GSB 102a	Introduction to Anthropology	4	-	-
GSB 102b	Geography	-	4	-
GSB 211b	American Government	-	4	-
*GSB 314	Economic Analysis of Ag. Policies of U.S.	-	-	3
GSC	Humanities Elective ²	-	-	4
GSD 103	Speech	3	-	-
GSE 201	Healthful Living	3	-	-
An. Ind. 315	Feeds and Feeding	-	-	4
Econ. 214, 215	Economics (Macro), (Micro)	4	4	-
Pl. Ind. 301	Soils Science	-	-	5
		<u>18</u>	<u>16</u>	<u>16</u>

*Required for this curriculum.

¹A substitute for GSB 211a.

²Select requirements from General Studies Elective Section.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of science, three hours of social studies, and nine hours of humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in Area GSA (Science) or GSB (Social Studies) according to area interest.

Recommended Program
AGRICULTURAL INDUSTRIES
 (Agricultural Mechanization Option)
 School of Agriculture

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA 101a	Introduction to Physical Science	-	-	4
GSB	Social Studies Electives ¹	4	4	-
GSC 100	Music Understanding)	-	3	-
GSC 101	Art Appreciation. .) Select One	-	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 107a, b	Introduction to Basic College Math.) Select	5	3-5	-
Math 111a, b	College Algebra and Trigonometry. .) One	1	1	1
GSE	Physical Education	4	-	-
Ag. Ind. 204 ²	Intro. to Ag. Economics	-	-	5
An. Ind. 121	Animal Science	17	14-16	16
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 101b	Introduction to Physical Science	4	-	-
GSA 201a, b	Introductory Biology	-	4	4
GSB 211b	American Government	-	4	-
GSC 102	Philosophy (Ethics)	3	-	-
GSC	Humanities Electives ¹	4	3	-
GSE 201	Healthful Living	-	-	3
An. Ind. 315	Feeds and Feeding	4	-	-
Et. 102a	Graphic Communication	-	3	-
Ag. Ind. 354	Agricultural Marketing	-	-	3
Acct. 250	Accounting Fundamentals ³	-	-	4
Pl. Ind. 109	Principles of Field Crop Production	-	-	4
		15	14	18

¹Select requirements from General Studies Elective Section.

²Substitute for GSB 211a

³Prerequisite for business courses.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of science, six hours of social studies, and six hours of humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies).

Recommended Program
AGRICULTURE, GENERAL
 School of Agriculture

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA 101a	Introduction to Physical Science	-	4	-
GSA 101b	Introduction to Physical Science)			
Chem. 121a ¹	General Chem. and Qualitative)Select One Analysis)	-	-	4-5
GSC 100	Music Understanding)			
GSC 101	Art Appreciation. .)Select One	3	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 107	Intro. to Basic Math. . .)Select One	5	3-5	-
Math 111a	College Algebra and Trig.)			
GSE	Physical Education	1	1	1
Ag. Ind. 204	Intro. to Ag. Economics ²	4	-	-
An. Ind. 121	Animal Science	-	5	-
Pl. Ind. 109	Prin. of Field Crop Production)			
Pl. Ind. 264	General Horticulture.)Select One			
		<u>16</u>	<u>16-18</u>	<u>15-16</u>

<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 201a, b	Introductory Biology	4	4	-
GSB	Social Studies Electives ³	4	4	-
GSB 211b	American Government	-	-	4
GSC	Humanities Electives ³	-	4	3
GSC 102	Philosophy (Ethics)	3	-	-
GSE 201	Healthful Living	-	-	3
Ag.	Agriculture Electives ⁴	4	4	4
		<u>15</u>	<u>16</u>	<u>14</u>

¹A student with background and interest in Chemistry is recommended to take Chemistry 121a, b. GSA 101b is a minimum requirement. If the student elects GSA 110a, b (Earth Science) he must still take chemistry.

²A substitute for GSB 211a

³Select requirements from General Studies Elective Sections

⁴Consult Undergraduate Catalog. A total of 12 hours in each of three departments Agriculture Industries, Animal Industries, and Plant Industries and one course in Forestry or Agricultural Engineering is required.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of science, six hours of social studies, and six hours of humanities.

Students in this program are permitted to waive six quarter hours of General Studies Area GSA (Science) or GSB (Social Studies) according to area interest.

Recommended Program
ANIMAL INDUSTRIES
 (Business Option)
 School of Agriculture

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
GSA 101a	Introduction to Physical Science	4	-	-
GSB	Social Studies Elective ¹	-	-	4
GSC 100	Music Understanding)	3	-	-
GSC 101	Art Appreciation. .)Select One	-	-	3
GSC 103	World Literature for Composition	3	3	-
GSD 101, 102	English Composition	-	-	3
GSD 103	Speech	-	5	3-5
GSD 107a, b	Intro. to Basic College Math.)	-	1	1
Math 111a, b	College Algebra and Trig. . .)Select One	5	-	-
GSE	Physical Education	1	1	1
An. Ind. 121	Animal Science	5	-	-
Chem. 110	General and Inorganic Chem. . .) ²	-	4-5	-
Chem. 115	Intro. to General Chem.)	-	-	-
Chem. 121a	General Chem. and Qualitative)Select One	-	4-5	-
	Analysis)	-	4	-
Ag.	Agriculture Elective	16	17-18	14-16
<u>Second Year</u>		Fall	Winter	Spring
GSA 201a, b	Introductory Biology	-	4	4
GSB 211b	American Government	-	4	-
GSB	Social Studies Elective ¹	4	-	-
GSC 102	Philosophy (Ethics)	3	-	-
GSC	Humanities Elective ¹	-	-	4
GSE 201	Healthful Living	-	3	-
Ag.	Agriculture Elective	3-4	-	4-5
An. Ind. 315	Feeds and Feeding	-	4	-
Chem. 240	Organic Chemistry.) ²	-	-	4-5
Chem. 305a	Organic Chem, Preprofessional)Select One	-	-	4-5
Chem. 341	Organic Chemistry.)	-	-	-
Econ. 214	Economics (Macro) ³	4	-	-
		14-15	15	16-18

¹Select requirements from General Studies Elective Sections

²Any combination of Chem. 110 and 240, 121a and 240 or 121b, or 121b and 305a or 341 satisfies the chemistry requirement. If a student elects GSA 110 (Earth Science) sequences, he must still take chemistry. These chemistry courses substitute for GSA 101b.

³Substitute for GSB 211a.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of science, six hours of social studies, and six hours of humanities.

Students in this program are permitted to waive six hours of the above General Studies requirements in area GSB (Social Studies).

Recommended Program
ANIMAL INDUSTRIES
 (Production Option)
 School of Agriculture

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Ot.</u>	<u>Ot.</u>	<u>Ot.</u>
GSA 101a	Introduction to Physical Science	4	-	-
GSB	Social Studies Elective ¹	-	-	4
GSB 211a	Economics	-	-	4
GSC 100	Music Understanding)			
GSC 101	Art Appreciation. .)Select One	3	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 107a, b	Intro. to Basic College Math.)			
Math 111a, b	College Algebra and Trig. . .)Select One	-	5	3-5
GSE	Physical Education	1	-	1
An. Ind. 121	Animal Science	5	-	-
Chem. 110	General Inorganic Chemistry. . .)2			
Chem. 115	Introductory General Chemistry .)			
Chem. 121a	General Chem. and Qualitative)Select One	-	4-5	-
	Analysis)			
Ag.	Agriculture Electives	-	4	-
		<u>16</u>	<u>16-17</u>	<u>15-17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 201a, b	Introductory Biology	-	4	4
GSB 211b	American Government	4	-	-
GSB	Social Studies Elective ¹	4	-	-
GSC 102	Philosophy (Ethics)	-	3	-
GSC	Humanities Electives ¹	-	-	4
GSD 103	Speech	3	-	-
GSE 201	Healthful Living	-	3	-
GSE	Physical Education	-	1	-
Ag.	Agriculture Electives	3-4		4-5
An. Ind. 315	Feeds and Feeding	-	4	-
Chem. 240	Organic Chemistry.)2			
Chem. 305a	Organic Chem., Preprofessional)Select One	-	-	4-5
Chem. 341	Organic Chemistry.)			
		<u>14-15</u>	<u>15</u>	<u>16-18</u>

¹Select requirements from General Studies Elective Sections.

²Any combination of Chemistry 110 and 240, 121a and 240, or 121b and 305a or 341 satisfies the Chemistry requirement. If the student elects GSA 110 (Earth Science) sequence, he must still take Chemistry. These chemistry courses substitute for GSA 101b.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of science, six hours of social studies, and nine hours of humanities.

Students in this program are permitted to waive six quarter hours of the General Studies requirements in area GSB (Social Studies).

Recommended Program
ANIMAL INDUSTRIES
 (Science Option)
 School of Agriculture

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA 101a	Introduction to Physical Science	4	-	-
GSB 211a	Introduction to Economics ¹	-	-	4
GSB	Social Studies Electives ²	-	4	4
GSC 100	Music Understanding)	-	-	-
GSC 101	Art Appreciation. .) Select One	3	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSE	Physical Education	1	-	1
An. Ind. 121	Animal Science	5	-	-
*Math 111a, b	College Algebra and Trigonometry	-	5	5
Ag.	Agriculture Elective	-	4	-
		<u>16</u>	<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 201a, b	Introductory Biology	-	4	4
GSB 211b	American Government	4	-	-
GSC 102	Philosophy (Ethics)	-	-	3
GSC	Humanities Elective ²	-	-	4
GSD 103	Speech	3	-	-
GSE 201	Healthful Living	-	3	-
GSE	Physical Education	1	-	-
*Chem. 121a, b	General Chem. & Qualitative Analysis ³	5	5	-
Ag.	Agriculture Electives	3-4	-	4-6
An. Ind. 315	Feeds and Feeding	-	4	-
		<u>16-17</u>	<u>16</u>	<u>15-17</u>

 *Required by the academic unit.

¹Agricultural Industries 204 may be used as a substitute for GSB 211a.

²Select requirements from General Studies Elective Sections

³Substitute for GSA 101b (Chemistry).

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of social studies, and nine hours of humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies).

Recommended Program

FORESTRY

(Forest Resource Management Option)¹
(Park and Wildlands Management Option)¹

School of Agriculture

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA 101a	Introduction to Physical Science	4	-	-
GSA 101b	Introduction to Physical Science) ²			
Chem. 121a	General Chem. and Qualitative)Select One Analysis.)	-	4-5	-
GSB 102a	Anthropology	-	4	-
GSB 102b	American Government	-	-	4
GSC 102	Philosophy (Ethics)	3	-	-
GSC 101	Art Appreciation	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSE	Physical Education ³	1	1	1
Et. 102a	Graphic Communication	3	-	-
For. 104	Introduction to Forestry	3	-	-
Math 111a, b	College Algebra and Trigonometry	-	5	5
		17	17-18	16
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ⁴	-	4	4
GSA 330	Weather	-	-	3
GSB 211a	Introductory Economics	4	-	-
GSB 211b	American Government	-	4	-
GSC	Humanities Elective ⁴	-	3-4	-
GSD 103	Speech	-	-	3
GSD 110	Economic and Business Stat.	3	-	-
GSE 201	Healthful Living	3	-	-
Et. 363a	Surveying	4	-	-
For. 221	Dendrology	4	-	-
For. 301	Soil Science	-	5	-
Geol. 220	Physical Geology	-	-	3
Elective	Elective	-	-	3
		18	16-17	16

¹No student should elect an option without consultation with the Forestry Department. Such a conference should be arranged as soon as possible.

²A student with background and interest in sciences is recommended to take Chemistry 121a and 121b.

³Non-swimmers should take both GSE 101a (Beginning Swimming) and GSE 101b (Intermediate). Those who qualify should take GSE 101b.

⁴Select requirements from General Studies Elective Sections.

Comments: Students unable to take the professional courses listed above should attempt to complete their remaining General Studies requirements which include three quarter hours of science, six hours of social studies, and ten hours of humanities.

Students in the program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies).

Recommended Program
FORESTRY
 (Outdoor Recreation and Resource Management Option)
 School of Agriculture

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA 101a	Introduction to Physical Science	4	-	-
GSA 101b	Introduction to Physical Science)			
Chem. 115	Introductory General Chemistry)			
Chem. 121a	General Chemistry and Qualitative) Select One -	-	4-5	-
	Analysis)			
GSB 102a	Anthropology	4	-	-
GSB 102b	Geography	-	-	4
GSC 101	Art Appreciation	3	-	-
GSC 102	Philosophy (Ethics)	-	3	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education ¹	1	1	1
Math 111a, b	College Algebra and Trigonometry	-	5	5
		<u>15</u>	<u>16-17</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSA 303	Ferns, Trees, and Wild Flowers	-	-	3
GSB 201b	Introduction to Sociology	4	-	-
GSB 211b	American Government	-	-	4
GSC	Humanities Elective ²	-	-	7
GSD 110	Economic and Business Statistics	-	3	-
GSE 201	Healthful Living	-	-	3
Econ. 214, 215 ³	Economics (Macro), (Micro)	4	4	-
Acct. 250	Accounting Fundamentals	4	-	-
Rec. 201	Leisure and Recreation	-	3	-
Et. 102a	Graphic Communication	-	3	-
		<u>16</u>	<u>17</u>	<u>17</u>

¹Non-swimmers should take both GSE 101a (beginning swimming) and GSE 101b (intermediate). Those who qualify should take GSE 101b.

²Select requirements from General Studies Elective Sections

³Economics 214 substitutes for GSB 211a.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include three quarter hours of science and six quarter hours of humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies).

Recommended Program
PLANT INDUSTRIES
 (General, Business, or Science Options)
 School of Agriculture

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA 101a	Introduction to Physical Science	4	-	-
GSC 100	Music Understanding)	-	-	3
GSC 101	Art Appreciation. .)Select One	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 107a, b	Intro. to Basic College Math.)	5	3-5	-
Math 111a, b	College Algebra and Trig. . .)Select One	1	-	1
GSE	Physical Education	4	-	-
Ag. Ind. 204	Introduction to Ag. Economics ²⁻³	-	5	-
An. Ind. 121	Animal Science ³	-	-	4
Pl. Ind. 109	Principles of Field Crop Production	-	-	-
Chem. 110	General and Inorganic Chemistry ^{1.)}	-	4-5	-
Chem. 115	Introductory General Chemistry ^{1. .)} Select One	-	-	4-5
Chem. 121a	Gen. Chem. & Qualitative Analysis ¹⁾	-	-	-
Chem. 121b	Gen. Chem. & Qualitative Analysis ¹⁾	-	-	-
Chem. 240	Organic Chemistry ^{1.)} Select One	17	15-18	15-16
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 201a, b	Introductory Biology	4	4	-
GSB 211b	American Government	-	-	4
GSB	Social Studies Electives ⁴	4	4	-
GSC 102	Philosophy (Ethics)	3	-	-
GSC	Humanities Electives ⁴	-	4	3
GSD 103	Speech	-	-	3
GSE 201	Healthful Living	-	-	3
GSE	Physical Education	1	-	-
Pl. Ind. 264	General Horticulture	5	-	-
Pl. Ind. 301	Soil Science. . . .)	-	4-5	-
An. Ind. 315	Feeds and Feeding ³)Select One	-	-	4-5
Ag.	Agriculture Elective	17	16-17	17-18

¹Qualified students should take Chemistry 121. The Science option requires Chemistry 121 and Math 111. The minimum chemistry requirements for other options is GSA 101b. These chemistry courses substitute for GSA 101b. The minimum requirement for math in the General and Business options is GSD Math.

²A substitute for GSB 211a.

³Required for the "General" option.

⁴Select requirements from General Studies.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of science, ten hours of social studies, and six hours of humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSA (Science) or GSB (Social Studies) according to their interest.

SCHOOL OF BUSINESS

The School of Business aims to prepare students to perform successfully in business and other organizations functioning within a changing social economic, and political environment. Study provides the student with fundamental principles and practices of organizational behavior and allows the mastering of knowledge and skills for effective management. The curriculum provides a broad base for understanding business while simultaneously allowing in-depth study within an area of concentration. Students find that the professional education they receive in the school is desired by business, governmental units, and other public institutions. The advanced curriculum, computer terminals, and extern programs provide students not only with a meaningful education but with a means relating that education to organizations and commerce.

The School of Business is located in the General Classroom Building.

ACCREDITATION: American Association of Collegiate Schools of Business (AACSB), and North Central Association of Colleges and Secondary Schools

DEGREES OFFERED: Bachelor of Science

Accounting	Management
Economics	Behavior Science - Personal Mgt.
Finance	Management Science-Mgt. Systems
Financial Management	Marketing
Financial Institutions	Secretarial Studies

GRADUATE PROGRAMS: The School of Business offers programs leading toward the Master of Business Administration (M.B.A.) and the Master of Science and Doctor of Philosophy in Economics.

ORGANIZATIONS: Scholastic and Professional Honoraries: Alpha Kappa Psi (Business), Beta Alpha Psi (Accounting), Beta Gamma Sigma (Business), Omicron Delta Epsilon (Economics), Phi Beta Lambda (Sec. & Business), Phi Gamma Nu (Business), Pi Sigma Epsilon (Marketing), and the Society for Advancement of Management (SAM).

Special Interests: Blacks in Business

Departmental: Accounting Club, American Marketing Association, Economics Student Association, School of Business Student Council.

TRANSFER STUDENTS: Students intending to transfer from the two year institution should consult with the School of Business as to what professional courses, e.g., Introduction to Marketing, would satisfy major requirements at SIU. Courses normally applicable to business curriculums are College Algebra and Trigonometry, Elementary Calculus, Business and Economics Statistics, Introduction to Sociology, Introduction to Psychology, Micro and Macro Economics, and beginning and intermediate Accounting. These courses are normally taken at the lower division.

The School of Business is also evaluating occupational-technical coursework as to its applicability towards meeting degree requirements. This credit is counted as free electives under Business 259.

FOR FURTHER INFORMATION:

Chief Academic Adviser	or	Chairman of (State Major)	or	Admissions Office
School of Business		School of Business		Woody Hall
Ph: (618) 453-5250				Ph: (618) 453-4381

Southern Illinois University at Carbondale
Carbondale, Illinois 62901

Recommended Program
ACCOUNTING
 School of Business

<u>First Year</u>		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ¹	4	4	-
GSB	Social Studies Elective ¹	-	-	4
GSC	Humanities Electives ¹	3	3	-
GSC 103	World Literature for Composition ²	-	-	3
GSD 101, 102	English Composition ²	3	3	-
*GSD 110	Economic and Business Statistics	-	-	3
GSE	Physical Education	1	1	1
*Math 111a, b	College Algebra and Trigonometry ³	5	5	-
*Math 150a	Elementary Calculus and Analytic Geometry	-	-	5
		<u>16</u>	<u>16</u>	<u>16</u>
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ¹	-	4	4
GSB	Social Studies Elective ¹	4	-	-
*GSB 201c	Introduction to Psychology	-	-	4
*GSB 201b	Introduction to Sociology	-	4	-
GSC	Humanities Elective ¹	-	-	4
GSD 103	Speech	3	-	-
GSE 201	Healthful Living	3	-	-
Acct. 251a, b	Financial Accounting	4	4	-
Acct. 261	Management Accounting	-	-	4
*Econ. 214, 215	Economics, Macro and Micro ⁴	4	4	-
		<u>18</u>	<u>16</u>	<u>16</u>

*Required by the academic unit.

¹Select from General Studies Elective Section

²Students must earn a grade of "C" or higher in GSD 102 and GSC 103.

³Substitute for GSD Math.

⁴Substitute for GSB 211a.

Comments: All majors in the School of Business are required to meet the above math requirements.

Students unable to take the professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of science, and nine hours of humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies).

Recommended Program

ECONOMICS⁵

School of Business

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
GSA	Science Electives ¹	4	4	-
GSB	Social Studies Elective ¹	-	-	4
GSC	Humanities Electives ¹	3	3	-
GSC 103	World Literature for Composition ²	-	-	3
GSD 101, 102	English Composition ²	3	3	-
*GSD 110	Economic and Business Statistics	-	-	3
GSE	Physical Education	1	1	1
*Math 111a, b	College Algebra and Trigonometry	5	5	-
*Math 150a	Elem. Calculus & Analytic Geometry	-	-	5
		<u>16</u>	<u>16</u>	<u>16</u>
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ¹	-	4	4
GSB	Social Studies Elective ¹	4	-	-
*GSB 201b	Introduction to Sociology	-	4	-
*GSB 201c	Introduction to Psychology	-	-	4
GSC	Humanities Elective ¹	-	-	4
GSD 103	Speech	3	-	-
GSE 201	Healthful Living	3	-	-
Acct. 251a, b	Financial Accounting	4	4	-
Acct. 261	Management Accounting	-	-	4
*Econ. 214, 215	Economics, Macro and Micro ⁴	4	4	-
		<u>18</u>	<u>16</u>	<u>16</u>

*Required by the academic unit.

¹Select requirements from General Studies Elective Sections.

²Students must earn a grade of "C" or higher in GSD 102 and GSC 103.

³Substitute for GSD Math.

⁴Substitute for GSB 211a.

⁵See also the College of Liberal Arts and Sciences

Comments: All majors in the School of Business are required to meet the above math requirements.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of science and nine hours of humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (social studies).

Recommended Program
FINANCE
 (Financial Management Option)
 (Financial Institutions Options)
 School of Business

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ¹	4	4	-
GSB	Social Studies Elective ¹	-	-	4
GSC	Humanities Electives ¹	3	3	-
GSC 103	World Literature for Composition ²	-	-	3
GSD 101, 102	English Composition ²	3	3	-
*GSD 110	Economic and Business Statistics	-	-	3
GSE	Physical Education	1	1	1
*Math 111a, b	College Algebra and Trigonometry ³	5	5	-
*Math 150a	Elementary Calculus and Analytic Geometry	-	-	5
		<u>16</u>	<u>16</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ¹	-	4	4
GSB	Social Studies Elective ¹	4	-	-
*GSB 201b	Introduction to Sociology	-	4	-
*GSB 201c	Introduction to Psychology	-	-	4
GSC	Humanities Elective ¹	-	-	4
GSD 103	Speech	3	-	-
GSE 201	Healthful Living	3	-	-
Acct. 251a, b	Financial Accounting	4	4	-
Acct. 261	Management Accounting	-	-	4
*Econ. 214, 215	Economics, Macro and Micro ⁴	4	4	-
		<u>18</u>	<u>16</u>	<u>16</u>

*Required by the academic unit.

¹Select requirements from General Studies Elective Sections.

²Students must earn a grade of "C" or higher in GSD 102 and GSC 103.

³Substitute for GSD Math.

⁴Substitute for GSB 211a.

Comments: All majors in the School of Business are required to meet the above math requirements.

Students unable to take the professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of science and nine hours of humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in General Studies area GSB (Social Studies).

Recommended Program

MANAGEMENT

(Behavior Science - Personnel Management Option)

(Management Science - Management Systems Option)

School of Business

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ¹	4	4	-
GSB	Social Studies Elective ¹	-	-	4
GSC	Humanities Electives ¹	3	3	-
GSC 103	World Literature for Composition ²	-	-	3
GSD 101, 102	English Composition ²	3	3	-
*GSD 110	Economic & Business Statistics	-	-	3
GSE	Physical Education	1	1	1
*Math 111a, b	College Algebra & Trigonometry ³	5	5	-
*Math 150a	Elem. Calculus & Analytic Geometry	-	-	5
		<u>16</u>	<u>16</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ¹	-	4	4
GSB	Social Studies Elective ¹	4	-	-
*GSB 201b	Introduction to Sociology	-	4	-
*GSB 201c	Introduction to Psychology	-	-	4
GSC	Humanities Elective ¹	-	-	4
GSD 103	Speech	3	-	-
GSE 201	Healthful Living	3	-	-
Acct. 251a, b	Financial Accounting	4	4	-
Acct. 261	Management Accounting	-	-	4
*Econ. 214, 215	Economics, Macro and Micro	4	4	-
		<u>18</u>	<u>16</u>	<u>16</u>

*Required by the academic unit.

¹Select requirements from General Studies Elective Sections.

²Students must earn a grade of "C" or higher in GSD 102 and GSC 103.

³Substitute by GSD Math

⁴Substitute for GSB 211a

Comments: All majors in the School of Business are required to meet the above Math requirements.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of science and nine hours of humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies)

Recommended Program

MARKETING

School of Business

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
GSA	Science Electives ¹	4	4	-
GSB	Social Studies Elective ¹	-	-	4
GSC	Humanities Electives ¹	3	3	-
GSC 103	World Literature for Composition ²	-	-	3
GSD 101, 102	English Composition ²	3	3	-
*GSD 110	Economic and Business Statistics	-	-	3
GSE	Physical Education	1	1	1
*Math 111a, b	College Algebra & Trigonometry ³	5	5	-
*Math 150a	Elem. Calculus & Analytic Geometry	-	-	5
		16	16	16
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ¹	-	4	4
GSB	Social Studies Elective ¹	4	-	-
*GSB 201b	Introduction to Sociology	-	4	-
*GSB 201c	Introduction to Psychology	-	-	4
GSC	Humanities Elective ¹	-	-	4
GSD 103	Speech	3	-	-
GSE 201	Healthful Living	3	-	-
Acct. 251a, b	Financial Accounting	4	4	-
Acct. 261	Management Accounting	-	-	4
*Econ. 214, 215	Economics, Macro & Micro ⁴	4	4	-
		18	16	16

*Required by the academic unit.

¹Select requirements from General Studies Elective Sections

²Students must earn a "C" grade or higher in GSD 102 and GSC 103.

³Substitute for GSD Math.

⁴Substitute for GSB 211a.

Comments: All majors in the School of Business are required to meet the above math requirements. Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of science and nine hours of humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies).

Recommended Program
SECRETARIAL STUDIES
 School of Business

<u>First Year</u>		Fall <u>Ot.</u>	Winter <u>Ot.</u>	Spring <u>Ot.</u>
GSA	Science Electives ¹	4	4	-
GSB	Social Studies Elective ¹	-	-	4
GSC 100	Music Understanding)	3	-	-
GSC 101	Art Appreciation. .) Select One	-	3	-
GSC 102	Philosophy (Ethics)	-	-	3
GSC 103	World Literature for Composition ²	3	3	-
GSD 101, 102	English Composition ²	-	-	3
*GSD 110	Economic and Business Statistics	1	1	1
GSE	Physical Education	5	5	-
*Math 111a, b	College Algebra & Trigonometry ³	-	-	5
*Math 150a	Elem. Calculus & Analytic Geometry	16	16	16
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ¹	-	4	4
GSB	Social Studies Elective ¹	4	-	-
*GSB 211b	Introduction to Sociology	-	4	-
*GSB 211c	Introduction to Psychology	-	-	4
GSC	Humanities Elective ¹	-	-	4
GSD 103	Speech	3	-	-
GSE 201	Healthful Living	3	-	-
Acct. 251a, b	Financial Accounting	4	4	-
Acct. 261	Management Accounting	-	-	4
Econ. 214, 215	Economics, Macro & Micro ⁴	4	4	-
		18	16	16

*Required by the academic unit.

¹Select requirements from General Studies Elective Section.

²Students must earn a grade of "C" or higher in GSD 102 and GSC 103.

³Substitute for GSD Math.

⁴Substitute for GSB 211a.

Comments: All majors in the School of Business are required to meet the above math requirements.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of science and nine hours of humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies).

Depending on previous typing and shorthand background, students may need to start in the 200 level secretarial courses rather than the 300 level.

COLLEGE OF COMMUNICATIONS AND FINE ARTS

The College provides the opportunity for students to specialize in the study of the various mass communications media and develop skills in the utilization of those media.

The College serves as an instrument of the University for the direction of training and the stimulation of creative and professional work in the fine arts. It also serves students, enrolled in other academic units, who want an experience in the fine arts for either cultural or practical reasons. It offers undergraduate concentrations leading to the Bachelor of Arts or the Bachelor of Music degree.

It sponsors a number of special events each year. A Fine Arts Festival, which lasts several weeks, includes lectures by noted artists, musical ensembles, individual performances, dance recitals, dramatic presentations, and art exhibitions. A continuous planning of art exhibitions and an intensive series of public music performances are presented at no cost to students and faculty members.

University Galleries, a campus-wide activity in terms of the exhibitions of student and faculty work as well as traveling exhibitions, is under the jurisdiction in this area.

The College of Communications and Fine Arts occupies the Communications Building which includes the newest theater on campus along with the broadcasting facilities.

ACCREDITATION: National Association of Schools of Music, Association of Educational Journalism (AEJ), American Speech and Hearing Association (ASHA), and North Central Association of Colleges and Secondary Schools.

DEGREES OFFERED: Bachelor of Arts, Bachelor of Music, Bachelor of Music Education and Bachelor of Science.

Art	Music	Speech Pathology & Audiology
Art Education	Applied Music	Public School Speech
Art History	Music Theory & Comp.	Clinician
Studio	Music History & Lit.	Speech Clinician
Studio-Crafts	Music Education	Theater
Cinema & Photography	Radio & Television	Acting-Directing
Cinema	Speech	Design-Technical
Cinema & Photography	Interpretation	Playwriting-Dramatic
Photography	Public Relations	Literature
Journalism	Teaching	Dance

GRADUATE PROGRAMS: The College of Communications & Fine Arts has degree programs leading towards the Master of Arts, Master of Fine Arts, Master of Music, Master of Music Education, Master of Science, and the Doctor of Philosophy. Many of the programs are listed above while there are additional options, not listed, available only at the Graduate level. For more specific information consult with the College of Communications and Fine Arts, the Graduate School Office, or write to Central Publications, Southern Illinois University for a free copy of the Carbondale Campus Graduate Catalog.

ORGANIZATIONS: Scholastic and Professional Honoraries: Alpha Delta Sigma (Journalism), Alpha Epsilon Rho (Broadcasting), Kappa Tau Alpha (Journalism), Mu Phi Epsilon (Music-women), Phi Mu Alpha (Music-men), Phi Kappa Delta (Speech), Sigma Alpha Eta (Speech and Hearing), Sigma Delta Chi (Journalism), Theta Sigma Phi (Journalism-women), and Zeta Phi Eta (Speech-women).

Special Interest: SIU Amateur Radio Club, University Bands, University Chamber Choir, University Men's Glee Club, University Orator Chorus, and University Women's Ensemble.

Departmental: Debate Club, Interpreter's Theater, Photography Society, and the School of Music Student Council.

TRANSFER STUDENTS: Students should note that a "C" average or higher is required in English Composition and World Literature for Composition courses for all majors except Music and Art.

FOR FURTHER INFORMATION:

Chief Academic Adviser	or	Chairman of (State Major)	or	Admissions Office
Col. of Comm. & F. Arts		Col. of Comm. & F. Arts		Woody Hall
Ph: (618) 453-4308				Ph: (618) 453-4381

Southern Illinois University at Carbondale
Carbondale, Illinois 62901

Recommended Program

ART EDUCATION¹

School of Art

College of Communications and Fine Arts

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	-	4	4
GSC 101	Art Appreciation	3	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD	Foreign Language	3	3	3
GSE	Physical Education	1	1	1
Art 100a	Basic Studio-Sculpture. . .)	5	-	-
Art 100b	Basic Studio-Crafts. . .)			
Art 100c	Basic Studio-Painting	-	5	-
Art 100d	Basic Studio-Graphics. . .)	-	-	5
Art 100e	Basic Studio-Drawing . . .)			
		15	16	16
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB 201b	Introduction to Sociology	4	-	-
GSB 201c	Introduction to Psychology	-	4	-
GSB 211b	American Government ³	4	-	-
GSC 102	Philosophy (Ethics)	-	3	-
GSE 201	Healthful Living	-	-	3
Art 200a, b, c	Studio Disciplines	4	4	4
Art 225a, b	Introduction to Art History ⁴	-	3	3
*Guid. 305	Educational Psychology	-	-	4
*Sec. Ed. 310	History and Principles of Secondary Ed.	-	-	4
		16	18	18

*Required by the academic unit.

¹Also available within the College of Education. Students seeking a B.A. degree through the College of Communications and Fine Arts must complete 88 quarter hours of art coursework and must include a 24 hour specialization (24 hours in studio and/or crafts, or 12 hours in art history and either 12 hours of studio or 12 hours of studio crafts.

²Select from General Studies Elective Section.

³Students preparing for teacher certification must complete a course in American History or American Government.

⁴Substitute for GSC 204 (Meaning in Visual Arts).

Comments: GSC 340, 341, and 342 (Modern Art sequence) are required.

Students unable to take professional courses listed should attempt to complete their remaining General Studies requirements which include six quarter hours of Science, ten hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSC (Humanities).

Recommended Program
ART HISTORY - AESTHETICS¹
 School of Art
 College of Communications and Fine Arts

<u>First Year</u>		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies ²	4	-	-
GSC	Humanities Electives ²	-	-	3
GSD 101, 102	English Composition	3	3	-
*GSD	Foreign Language	3	3	3
GSE	Physical Education	1	1	1
Art 100a	Basic Studio-Sculpture)			
Art 100b	Basic Studio-Crafts. .)			
Art 100c	Basic Studio-Painting.)Select Three	5	5	5
Art 100d	Basic Studio-Graphics.)			
Art 100e	Basic Studio-Drawing .)			
		<u>16</u>	<u>16</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	-	4	4
GSC	Humanities Electives ²	3	3	3
GSD 103	Speech	3	-	-
*GSD	Foreign Language	3	3	3
GSE 201	Healthful Living	-	-	3
Art 225	Intro. to Art History	3	3	3
		<u>16</u>	<u>17</u>	<u>16</u>

*Required by the academic unit.

¹Also available under the College of Liberal Arts and Sciences.

²Select from General Studies Elective Sections

Comments: GSC 340, 341, and 342 (Modern Art sequence) is required.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of Science, ten hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSC (Humanities).

Recommended Program

ART
(Studio Option)¹
(Studio - Crafts Option)¹
School of Art

College of Communications and Fine Arts

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	-	4	4
GSC 101	Art Appreciation	3	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD	Foreign Language	3	3	3
GSE	Physical Education	1	1	1
Art 100a	Basic Studio-Sculpture. .)	5	-	-
Art 100b	Basic Studio-Crafts . . .)			
Art 100c	Basic Studio-Painting	-	5	-
Art 100d	Basic Studio-Graphics. .)	-	-	5
Art 100e	Basic Studio-Drawing . .)			
		15	16	16
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Elective ²	4	4	-
GSC	Humanities Electives ²	-	3	3
GSC 102	Philosophy (Ethics)	3	-	-
GSD 103	Speech	3	-	-
GSE 201	Healthful Living	-	-	3
Art 200a, b, c	Studio Disciplines	4	4	4
Art 225a, b, c	Introduction to Art History ³	3	3	3
		17	18	17

¹A student who expects to elect the studio or studio-crafts specialization must have the approval of the School of Art. A student's past work will be evaluated and must give evidence of the necessary level of competence to pursue this program.

²Select from General Studies Elective Sections.

³Substitute for GSC 204 (Meaning in the Visual Arts).

Comments: Students unable to take professional courses listed should attempt to complete their remaining General Studies requirements which include six quarter hours of Science, fourteen hours of Social Studies, and one hour of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSC (Humanities). Students may elect to take GSC 340 (Modern Art: Art of the 19th Century), GSC 341 (Modern Art: Art of the Early 20th Century), and GSC 342 (Modern Art: Art of the Mid 20th Century) to complete art history requirements for this program.

Recommended Program
CINEMA AND PHOTOGRAPHY
 (Cinema Option)

College of Communications and Fine Arts

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA	Science Electives ¹	-	4	4
GSB	Social Studies Electives ¹	4	4	4
GSC	Humanities Electives ¹	3	3	-
GSC 103	World Literature for Composition ²	-	-	3
GSD 101, 102	English Composition ²	3	3	-
GSD 103	Speech	-	-	3
GSD 107a, b	Intro. to Basic College Math.) ³	3-5	3	3
GSD	Foreign Language.) Select One			
GSE	Physical Education	1	-	-
		<u>14-16</u>	<u>17</u>	<u>17</u>
<u>Second Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA	Science Electives ¹	4	4	4
GSB	Social Studies Electives ¹	4	4	-
GSC	Humanities Electives ¹	3	3	3
GSE	Physical Education	1	-	1
GSE 201	Healthful Living	-	-	3
C & P 311	History of Still Photography	-	-	4
C & P 313	Visual Design in Photography	-	4	-
C & P 320	Fundamentals of Still Photography	4	-	-
		<u>16</u>	<u>15</u>	<u>15</u>

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¹Select from General Studies Electives Section.
²The department requires a "C" average or higher in GSD 101, 102 and GSC 103 or their approved equivalent.
³If the eight quarter hour Math sequence is selected, three hours listed for Spring may be electives.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, two hours of Social Studies, and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSC (Humanities).

Recommended Program
CINEMA AND PHOTOGRAPHY
 College of Communications and Fine Arts

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
GSA	Science Electives ¹	-	4	4
GSB	Social Studies Electives ¹	4	4	-
GSC	Humanities Electives ¹	3	3	3
GSC 103	World Literature for Composition ²	-	-	3
GSD 101, 102	English Composition ²	3	3	-
GSD 103	Speech	-	-	3
GSD 107a, b	Intro. to Basic College Math.) ³	3-5	3	3
GSD	Foreign Language.) Select One			
GSE	Physical Education	1	1	1
		14-15	18	17

<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ¹	4	4	4
GSB	Social Studies Electives ¹	4	4	4
GSC	Humanities Electives ¹	3	3	3
GSE 201	Healthful Living	-	-	3
C & P 311	History of Still Photography	-	-	4
C & P 313	Visual Design in Photography	-	4	-
C & P 320	Fundamentals of Still Photography	4	-	-
		15	15	18

¹Select from General Studies Elective Sections.

²The department requires a "C" average or higher in GSD 101, 102 and GSC 103, or their approved equivalent.

³If the eight quarter hour Math sequence is selected, the three hours listed for Spring may be electives.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of science, two hours of Social Studies, and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSC (Humanities).

Recommended Program
CINEMA AND PHOTOGRAPHY
(Photography Option)

College of Communications and Fine Arts

<u>First Year</u>		Fall	Winter	Spring
		<u>Ot.</u>	<u>Ot.</u>	<u>Ot.</u>
GSA	Science Electives ¹	-	4	4
GSB	Social Studies Electives ¹	4	4	-
GSC	Humanities Electives ¹	3	3	3
GSC 103	World Literature for Composition ²	-	-	3
GSD 101, 102	English Composition ²	3	3	-
GSD 103	Speech	-	-	3
GSD 107a, b	Intro. to Basic College Math.) ³			
GSD	Foreign Language.)Select One	3-5	3	3
GSE	Physical Education	<u>1</u>	<u>1</u>	<u>1</u>
		14-16	18	17

<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ¹	4	4	-
GSB	Social Studies Electives ¹	-	4	4
GSC	Humanities Electives ¹	-	3	3
GSE 201	Healthful Living	4	-	3
C & P 310	History of Still Photography	4	-	-
C & P 311	Contemporary Photography	-	4	-
C & P 313	Visual Design in Photography	-	-	4
C & P 320	Fundamentals of Still Photography	-	-	4
C & P 322	Fundamentals of Color Photography	<u>4</u>	<u>-</u>	<u>-</u>
		16	15	18

¹Select from General Studies Elective Sections.

²The department requires a "C" average or higher in GSD 101, 102, and GSC 103, or their approved equivalent.

³If the eight quarter hour Math sequence is selected, the three hours listed for Spring may be used as electives.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSC (Humanities).

Recommended Program
JOURNALISM¹⁻²
 School of Journalism
 College of Communications and Fine Arts

<u>First Year</u>		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ³	-	4	4
GSB	Social Studies Electives ³	4	4	4
GSC	Humanities Electives ³	3	3	-
GSC 103	World Literature for Composition ⁴	-	-	3
GSD 101, 102	English Composition ⁴	3	3	-
GSD	Speech	-	-	3
GSD 107a, b	Intro. to Basic College Math.) ⁵	3-5	3	3
GSD	Foreign Language.) Select One			
GSE	Physical Education	1	-	-
		<u>14-16</u>	<u>17</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ³	4	4	4
GSB	Social Studies Electives ³	-	-	4
GSC	Humanities Electives ³	3	3	3
GSE	Physical Education	-	1	1
GSE 201	Healthful Living	3	-	-
J 203	News	-	3	-
J 301	News Writing and Editing I	-	3	-
J 302	News Writing and Editing II	-	-	3
J 345	History of Journalism	3	-	-
J 370	Principles of Advertising	3	-	-
		<u>16</u>	<u>14</u>	<u>15</u>

¹Students should select one of five specializations: advertising, community newspaper, magazine, news and editorial, or radio and television.

²Also available under the College of Education.

³Select from General Studies Elective Sections.

⁴The department requires a "C" average or higher in GSD 101, 102, and GSC 103, or their approval equivalent.

⁵If the eight quarter hour Math sequence is selected, the three quarter hours listed for Spring may be electives.

Comments: Students in this program must demonstrate a working knowledge of typewriting based upon a minimum straight copy rate of thirty words per minute by the end of the junior year.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, six hours of Social Studies, and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSB (Social Studies).

Recommended Program

MUSIC¹

(Applied Music Option)

(Music Theory - Composition Option)

(Music History - Literature Option)

College of Communications and Fine Arts

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
GSA	Science Electives ²	-	4	4
GSB	Social Studies ²	4	4	4
GSC	Humanities Electives ²	3	3	-
GSC 102	Philosophy (Ethics)	3	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 107a, b	Intro. to Basic College Math.) ³	-	-	-
GSD	Foreign Language.)Select One	3-5	3	3
GSE	Physical Education	1	1	1
		17	18	18
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	4	4
GSB 201b	Introduction to Sociology	4	-	-
GSB 201c	Introduction to Psychology	-	4	-
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	-	-	3
Mus. 105a, b, c	Theory of Music	4	4	4
Mus.	Music Electives	3	3	3
		18	18	17

¹Music curriculums are also available under the College of Education and the College of Liberal Arts and Science.

²Select from General Studies Elective Sections.

³If eight quarter hour Math sequence is selected, the three hours listed for Apring may be electives.

Comments: Each resident music student must maintain a satisfactory membership in either a university band or chorus every quarter at SIU, except the student teaching quarter.

Bachelor of Music degree students with a specialization in applied music must present a half recital in their junior year and a full recital their senior year.

While enrolled in private instruction, students must attended a minimum of five campus recitals or concerts.

Each candidate must pass the proficiency examination in secondary piano.

Students unable to take professional courses listed above should attempt completing their remaining General Studies requirement which includes two quarter hours of Science, two hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Humanities).

Recommended Program

MUSIC EDUCATION¹⁻²

College of Communications and Fine Arts

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
GSA	Science Electives ³	-	4	4
GSB	Social Studies Electives ³	4	-	4
GSC	Humanities Electives ³	-	3	-
GSD 101, 102	English Composition	3	3	-
GSD 107a, b	Intro. to Basic College Math.) ⁴			
GSD	Foreign Language.)Select One	3-5	3	3
GSE	Physical Education	1	-	1
Mus. 105a, b, c	Theory of Music Fundamentals	4	4	4
		15-17	17	16
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ³	4	4	4
GSB	Social Studies Electives ³	4	4	-
GSE 111b	American Government ⁵	-	-	4
GSC	Humanities Electives ³	3	3	3
GSD 103	Speech	3	-	-
GSE	Physical Education	-	1	-
GSE 201	Healthful Living	-	-	3
*Guid. 305	Educational Psychology	4	-	-
*Sec. Ed. 310	History & Principles of Secondary Ed.	-	4	-
Mus. 205	Theory of Music-Advanced	-	-	3
		18	16	17

*Required by the academic unit.

¹Also available under the College of Education.

²Each resident music student must maintain a satisfactory membership in either a university band, orchestra, or chorus every quarter except for the student teaching quarter.

Each candidate for the Bachelor of Music Degree must pass the proficiency examination in secondary piano. Those specializing in music education must present a half recital in their senior year. A student must also pass a proficiency test in voice or elect class voice until he can pass the test.

³Select from General Studies Elective Sections.

⁴If eight quarter hour Math sequence is selected, the three hours listed for Spring may be electives.

⁵Students desiring a secondary school teaching certificate must have a course in American Government or American History.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of science, two hours of Social Studies, and ten hours of Humanities. Students in this program are permitted to waive six quarter hours of General Studies area GSC (Humanities).

Recommended Program

RADIO AND TELEVISION

College of Communications and Fine Arts

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ¹	-	4	4
GSB	Social Studies Electives ¹	4	4	4
GSC	Humanities Electives ¹	3	3	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition ²	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	-	-
R&T 161	Radio-Television Speaking	4	-	-
R&T 251	Survey of Broadcasting	-	3	-
R&T 252	Broadcast Production Analysis	-	-	3
		<u>15</u>	<u>17</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ¹	4	4	4
GSB	Social Studies Electives ¹	-	4	4
GSC	Humanities Electives ¹	4	3	-
GSD 107a,b	Basic College Math ³)			
GSD	Foreign Language. .) select one	3-5	3	3
GSE	Physical Education	-	1	1
GSE 201	Healthful Living	3	-	-
R&T 260	Audio Control Room Practices	1	-	-
R&T 363	Radio Program Production	-	-	4
		<u>15-17</u>	<u>15</u>	<u>16</u>

¹Select from General Studies Elective Sections.

²Students in this program are required to either achieve a grade of B or higher in both GSD 101 and 102 or a grade of C in English 390.

³If the eight quarter hour Math sequence is selected, the three hours listed for spring may be electives.

Comments: Students in this program must also either demonstrate proficiency in typing at thirty words per minute by passing a test administered by the Department of Secretarial and Business Education, or pass Secretary and Business Education 201a with a grade of B.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, two hours of Social Studies, and six hours of Humanities.

Radio-Television majors may not request a waiver in any area of General Studies.

Recommended Program

SPEECH¹ (Interpretation Specialization)

College of Communications and Fine Arts

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Elective ²	-	-	4
GSB 100b,c	Western Civilization - History	4	4	-
GSC	Humanities Electives ²	3	-	3
*GSC 103	World Literature for Composition ³	-	-	3
GSD 101, 102	English Composition ³	3	3	-
GSD 107a,b	Basic College Math .) ⁴	3-5	3	3
GSD	Foreign Language . .) Select One			
GSE	Physical Education	<u>1</u>	<u>1</u>	<u>1</u>
		14-16	15	18
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	4
GSB 201b	Introduction to Sociology	-	4	-
GSB 201c	Introduction to Psychology	-	-	4
*GSC 200	Oral Interpretation of Literature	4	-	-
GSC 208	Logic and Meaning	-	4	-
GSD 103	Speech	3	-	-
GSE	Healthful Living	-	-	3
Spch 102	Public Speaking	-	3	-
Spch 104	Training the Speaking Voice	4	-	-
Spch 202	Principles of Discussion	-	-	3
Spch 209	Forensic Activities	<u>-</u>	<u>-</u>	<u>3</u>
		15	15	17

*Required by the academic unit.

¹See College of Education and College of Liberal Arts and Sciences for other areas of Speech.

²Select from General Studies Elective Sections.

³The department requires a "C" average in GSD 101, 102, and 103, or their approved equivalent.

⁴If eight quarter hour math sequence is selected, the three hours listed for spring may be electives.

Comments: Students with an emphasis on interpretation will also be required to complete a course of study involving sixteen quarter hours of English which will be determined on an individual basis with the department.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, two hours of Social Studies, and five hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Social Studies) or GSC (Humanities).

Recommended Program

SPEECH (Public Relations Specialization)¹

College of Communications and Fine Arts

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSA 299a	Survival of Man	-	-	4
*GSB 201b	Introduction to Sociology	4	-	-
*GSB 201c	Introduction to Psychology	-	4	-
GSC	Humanities Electives ²	3	3	-
*GSC 103	World Literature for Composition ³	-	-	3
GSD 101, 102	English Composition ³	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	1	1
*R&T 251	Survey of Broadcasting	-	-	3
Spch 203	Introduction to Interpersonal Communication	-	-	4
		<u>15</u>	<u>15</u>	<u>18</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 299b	Survival of Man	4	-	-
*GSB 211a	Introductory Economics	-	4	-
*GSB 211b	American Government	-	-	4
*GSB 325	Race & Minority Relations	-	-	3
*GSC 200	Oral Interpretation of Literature	4	-	-
GSC 208	Logic and Meaning	-	3	-
GSD 107a	Basic College Math	5	-	-
*GSD 110	Economic and Business Statistics	-	3	-
GSE 201	Healthful Living	-	-	3
*C&P 311	Contemporary Photography	-	-	4
*Jrnl 345	History of Journalism	3	-	-
*Mgt 340	Business Organization & Management	-	4	-
*Mktg 301	Marketing Fundamentals	-	-	4
		<u>16</u>	<u>14</u>	<u>18</u>

*Required by the academic unit.

¹Students who have areas of special interest may work out minimal deviations from this curriculum with the concurrence of the department.

²Select from General Studies Elective Sections.

³The department requires a "C" average in GSD 101, 102 and GSC 103, or their approved equivalent.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, three hours of Social Studies, and six hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Social Studies).

Recommended Program

SPEECH (Teaching)¹

College of Communications and Fine Arts

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Elective ²	-	-	4
GSB 100b,c	Western Civilization ² - History	4	4	-
GSC	Humanities Electives ²	3	3	-
*GSC 103	World Literature for Composition ³	-	-	3
GSD 101, 102	English Composition ³	3	3	-
GSD 103	Speech	-	3	-
GSD 107a,b	Basic College Math . .) ⁴	3-5	3	3
GSD	Foreign Language . .) Select One			
GSE	Physical Education	1	1	1
Spch 102	Public Speaking	-	-	4
		<u>14-16</u>	<u>17</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	4
GSB 201b	Introduction to Sociology	4	-	-
GSB 201c	Introduction to Psychology	-	4	-
GSB 300a	History of United States (1492-1815) ⁵	-	3	-
*GSC 200	Oral Interpretation of Literature	-	-	4
*GSC 203	Drama and the Arts of the Theater	3	-	-
GSC 208	Logic and Meaning	-	-	4
GSE 201	Healthful Living	3	-	-
*Guid 305	Educational Psychology	-	-	4
Spch 202	Public Speaking	-	3	-
Spch 104	Training the Speaking Voice . .)	-	4	-
Spch 200	Phonetics) Select One			
Spch 205	Argumentation and Debate	4	-	-
		<u>18</u>	<u>18</u>	<u>16</u>

*Required by the academic unit.

¹See also the College of Education.

²Select from General Studies Elective Sections.

³The department requires a "C" average in GSD 101, 102, and GSC 103, or their approved equivalent.

⁴If eight quarter hour math sequence is selected, three hours listed for spring may be electives.

⁵This course fulfills state certificate requirements for American History and the constitution examinations. Substitutions for this course are available.

Comments: For students in this program, the department requires one 24 hour secondary concentration in a separate area. A secondary concentration in English or social sciences is recommended.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, three hours of Social Studies, and two hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSB (Social Studies) or GSC (Humanities).

Recommended Program

SPEECH PATHOLOGY AND AUDIOLOGY¹ (Public School Speech Clinician)

College of Communications and Fine Arts

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB 201b	Introduction to Sociology	-	4	-
*GSB 211b	American Government	-	-	4
GSC	Humanities Electives ²	3	3	3
*GSC 103	World Literature for Composition ³	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 107a,b	Basic College Mathematics . .) ⁴	Select One 3-5	3	3
GSD	Foreign Language)			
GSE	Physical Education	1	1	1
		14-16	18	17
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 201a,b	Introductory Biology	4	4	-
*GSB 201c	Introduction to Psychology	4	-	-
*GSB 300a	History of United States (1492-1815)	3	-	-
*GSB 331	American Educational ² Systems	-	3	-
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	-	-	3
*Psyc 301	Child Psychology	-	4	-
*Ed.Ad. 355	Philosophy of Education	-	-	4
*Psyc 305	Psychology of Personality	-	-	4
SP&A 200	Phonetics	4	-	-
SP&A 203	Introduction to Speech Science	-	4	-
SP&A 212	Articulatory Problems & Delayed Speech	-	-	4
		18	18	18

*Required by the academic unit.

¹This program is designed for the student who plans to be a public school speech clinician in Illinois, thereby needing to meet the requirements for a Limited Special Teaching Certificate. See also the College of Education.

²Select from General Studies Elective Sections.

³The department requires a C average in GSD 101, 102, and GSC 103, or their approved equivalent.

⁴If the eight quarter hour health sequence is selected, the three hours listed for spring may be electives.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of Science and four hours of Social Studies.

Students in the program are permitted to waive six quarter hours of General Studies area GSA (Science) or GSB (Social Studies). Since some major field requirements are met by GSB courses, the most common waiver is area GSA.

Recommended Program
SPEECH PATHOLOGY AND AUDIOLOGY¹
 (Speech Clinician)
 College of Communications and Fine Arts

<u>First Year</u>		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	4	4	4
GSB	Social Studies Electives ²	4	4	-
GSC	Humanities Electives ²	-	3	3
*GSC 103	World Literature for Composition ³	-	-	3
GSD 101, 102	English Composition ³	3	3	-
GSD 103	Speech	-	-	3
GSD 107a, b	Basic College Math. . .) ⁴	3-5	3	3
GSD	Foreign Language. . .) Select One			
GSE	Physical Education	1	1	1
		<u>15-17</u>	<u>18</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 201a, b	Introductory Biology	4	4	-
GSB	Social Studies Electives ²	-	4	4
*GSB 201c	Introduction to Psychology	4	-	-
GSC	Humanities Electives ²	3	-	3
GSE 201	Healthful Living	-	-	3
*Psyc 301	Child Psychology	-	4	-
*Psyc 305	Psychology of Personality ⁵	-	-	4
SP & A 200	Phonetics	4	-	-
SP & A 203	Introduction to Speech Science ⁶	-	4	-
SP & A 212	Articulatory Problems & Delayed Speech	-	-	4
		<u>15</u>	<u>16</u>	<u>18</u>

*Required by the academic unit.

¹This program is designed for the student who plans to be a speech clinician in work environments other than public school, thereby not seeking the requirements for a teaching certificate. See also the College of Education.

²Select from General Studies Elective Sections.

³The department requires a "C" average in GSD 101, 102, and GSC 103, or their approved equivalent.

⁴If the eight quarter hour math sequence is selected, the three hours listed for spring may be electives.

⁵Health Education 312 (Emotional Health) is an approved substitute.

⁶SP & A 409 (Research Techniques in Speech Science) is an approved substitute.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, two hours of Social Studies and seven hours of Humanities.

Students in the program are permitted to waive six quarter hours of General Studies area GSA (Science) or GSB (Social Studies). Since some major field requirements are met by GSB courses, the most common waiver is area GSA.

Recommended Program

THEATER¹

(Acting-Directing option)

(Design-Technical option)

(Playwriting-Dramatic Literature option)

(Dance option)

College of Communications and Fine Arts

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Electives ²	4	-	4
*GSC 103	World Literature for Composition ³	3	-	-
GSC 110a,b,c	Introduction to Western Humanities	3	3	3
GSD 101, 102	English Composition ³	3	3	-
GSD 103	Speech	-	-	3
GSD 107a,b	Basic College Math ⁴)	3-5	3	3
GSD	Foreign Language. .) Select one	-	1	1
GSE	Physical Education	-	1	1
		<u>16-18</u>	<u>14</u>	<u>18</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	4
GSB	Social Studies Electives ²	4	4	4
*GSC 201	Introduction to Drama	3	-	-
*GSC 354a,b	History of the Theater	-	3	3
GSE	Physical Education	1	-	-
GSE 201	Healthful Living	-	3	-
Thea 111a,b,c	Staging Techniques	3	3	3
Thea 217	Acting	-	-	4
		<u>15</u>	<u>17</u>	<u>18</u>

*Required by the academic unit.

¹See also the College of Liberal Arts and Sciences.

²Select from General Studies Elective Sections.

³The department requires a "C" average in GSD 101, 102, and GSC 103.

⁴If the eight quarter hour Math sequence is selected, three hours listed for spring may be electives.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, and two hours of Social Studies.

Students in this program are permitted to waive six quarter hours of GSC (Humanities).

COLLEGE OF EDUCATION

Preparation of teachers of all subjects taught in the public schools from kindergarten through high school is the special function of the College of Education. In its graduate offerings, however, it broadens its efforts to include professional work for prospective college teachers and several specializations in school administration and supervision.

The College of Education, housed in the Wham Education Building, is the oldest unit of the University, which was originally chartered as Southern Illinois Normal University.

ACCREDITATION: North Central Association of Colleges and Secondary Schools, the National Council for Accreditation of Teacher Education, American Psychological Association, and the United States Office of Education.

DEGREES OFFERED: Bachelor of Science, Bachelor of Music Education

Art Education	Language Arts
Biological Sciences	Mathematics
Business Teacher Education	Music Education
Chemistry	Physical Education
Elementary Education	Men
Early Childhood	Women
Elementary Education	Physics
English	Recreation & Outdoor Education
Teacher Training	Community Recreation
Foreign Languages	Outdoor Education
French	Outdoor Recreation Management
German	Recreation for Special Populations
Latin	*Secondary Education
Russian	Social Studies
Spanish	Special Education
Geography	Acoustically Handicapped
Government	Maladjusted
Health Education	Mentally Retarded
History	Speech
Journalism	Speech Pathology and Audiology

*Secondary Education is not a major but contains many programs leading towards certification for teaching a specific subject matter. All students should check the Undergraduate Catalog for the Carbondale Campus for specific requirements concerning the Standard High School Certificate, the Standard Special Certificate, Student Teaching, and admission to a Teacher Education Program.

GRADUATE PROGRAMS: Students can continue on the graduate level of the above programs and in some areas not listed. For more specific information a student should consult with the College of Education, the Graduate School Office, or write to Central Publications, Southern Illinois University for a free copy of the Graduate School Catalog for the Carbondale Campus.

ORGANIZATIONS: Scholastic and Professional Honoraries: Kappa Delta Pi, Phi Delta Kappa, and Pi Lambda Theta.

Departmental: Association of Childhood Education, Council for Exceptional Children, Men's P.E. majors, Recreation Club, Student Education Association, Women in Education, Women's Professional P.E., and Women's Recreation Association.

TRANSFER STUDENTS: Students preparing to teach should become aware of all the specific requirements and prerequisites involved in Teacher Certification. Also admission to the University or to an academic unit does not admit a student into the formal Teacher Education Program (see Transfer Admissions-Eligibility). Note: A "C" average in GSD 101, 102 and GSC 103 is a requirement for teacher certification, not a College of Education requirement.

Students wanting to transfer occupational credit into the College of Education should consult the department to determine possible applicability of this credit towards meeting degree requirements.

FOR FURTHER INFORMATION:

Chief Academic Advisor	or	Chairman of (State Major)	or	Admissions Office
College of Education		College of Education		Woody Hall
Ph: (618) 453-4394				Ph: (618) 453-4381

Recommended Program
ART EDUCATION¹
 College of Education

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	-	4	4
GSC 101	Art Appreciation	3	-	-
GSC 103	World Literature Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD	Foreign Language	3	3	3
GSE	Physical Education	1	1	1
Art 100a	Basic Studio - Sculpture)	5	-	-
Art 100b	Basic Studio - Crafts. .)			
Art 100c	Basic Studio - Painting			
Art 100d	Basic Studio - Graphics. .)			
Art 100e	Basic Studio - Drawing . .)			
	Select One			
	Select One			
		15	16	16
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB 201b	Introduction to Sociology	4	-	-
GSB 201c	Introduction to Psychology	-	4	-
GSB 211b	American Government ³	4	-	-
GSC 102	Philosophy (Ethics)	-	3	-
GSE 201	Healthful Living	-	-	3
Art 200a, b, c	Studio Disciplines	4	4	4
Art 225	Introduction to Art History ⁴	-	3	3
*Guid. 305	Educational Psychology	-	-	4
*Sec. Ed. 310	History & Principles of Secondary Ed.	-	-	4
		16	18	18

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*Required by the academic unit.

¹Also available within the School of Art under the College of Communications and Fine Arts. Students seeking a B.S. degree through the College of Education are not required to complete the specialization required under Communications and Fine Arts but are required to complete 81 hours of art coursework.

²Select from General Studies Elective Section.

³Students preparing for teacher certification must complete a course in American Government or American History.

⁴Substitute for GSC 204 (Meaning in Visual Arts)

Comments: GSC 340, 341, and 342 (Modern Art) are required.

Students unable to take professional courses listed should attempt to complete their remaining General Studies requirements which include six quarter hours of Science, ten hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSC (Humanities).

Recommended Program
BIOLOGICAL SCIENCES¹
 College of Education

<u>First Year</u>		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
*GSA 201a, b	Introductory Biology ²	-	4	4
GSB	Social Studies Electives ³	4	-	4
GSC	Humanities Electives ³	3	-	-
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
Math. 111a, b	College Algebra & Trigonometry ⁴	5	5	-
*Chem. 121a, b	General Chemistry & Qualitative Analysis ⁵	-	5	5
		<u>15</u>	<u>17</u>	<u>16</u>
<u>Second Year</u>		Fall	Winter	Spring
GSA 301	Principles of Physiology	4	-	-
GSA 303	Ferns, Trees, and Wild Flowers	-	-	3
GSB	Social Studies Electives ³	-	4	4
GSB 211b	American Government	4	-	-
GSC	Humanities Electives ³	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	3	-
*Bot. 300	Morphology of Non-Vascular Plants	4	-	-
*Zoo. 102	General Invertebrate Zoology	-	5	-
*Zoo. 103	General Vertebrate Zoology	-	-	5
		<u>16</u>	<u>16</u>	<u>16</u>

*Required by the academic unit.

¹See also the College of Liberal Arts and Sciences.

²GSA 201a, b or GSA 210a, b (Environmental Biology) is required.

³Select from General Studies Elective Sections.

⁴Substitutes for GSD Math. Math 111a, b or GSD Math is required.

⁵Substitutes for GSA 101b. Chem. 121a, b or Chem. 110a, b is required.

Comments: Students should consult the department for additional science requirements and professional education courses required for teacher certification.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program
BUSINESS TEACHER EDUCATION¹
 College of Education

<u>First Year</u>		Fall	Winter	Spring
		<u>Ot.</u>	<u>Ot.</u>	<u>Ot.</u>
GSA	Science Electives ²	4	4	-
GSB 201b	Introduction to Sociology	4	-	-
*GSB 201c	Introduction to Psychology	-	-	4
GSC	Humanities Electives ²	3	3	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD 110	Economic & Business Statistics	3	-	-
GSE	Physical Education	1	1	1
*Math. 111a, b	College Algebra and Trigonometry ³	-	5	5
		18	16	16
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	4	4
GSB 211b	American Government ⁴	4	-	-
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	3	-	-
*Acct 250	Accounting Fundamentals ⁵	4	-	-
*Econ 214, 215	Economics (Macro - Micro) ⁶	-	4	4
*Mktg. 301	Marketing Fundamentals	-	4	-
Sec. 201b	Typing	-	3	-
*Guid. 305	Educational Psychology	-	-	4
		18	18	15

*Required by the academic unit.

¹Students in this program will need to prepare to teach in at least four but preferably five of the following areas: Business Law, Data Processing, Distributive Education, Electronic Data Processing, General Business or Consumer Education, Office Practice and Machines, Shorthand and Transcription, Typewriting, Bookkeeping - Accounting and Record Keeping.

²Select from General Studies Elective Sections.

³Math 111a, b or GSD 107a is required. Math 111a, b is a substitute for GSD Math.

⁴Students must have one course in American Government or American History for teacher certification requirement.

⁵Accounting 250 or Accounting 251a (Financial Accounting).

⁶Substitutes for GSB 211a

Comments: Requirements for this program will exceed the usual 192 quarter hours for the baccalaureate degree.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, two hours of Social Studies, and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Social Studies).

Recommended Program

CHEMISTRY¹

College of Education

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
GSA	Science Electives ²	-	-	4
GSB	Social Studies Electives ²	4	4	4
GSC	Humanities Electives ²	3	3	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	1	1
Math. 111a, b	College Algebra & Trigonometry ³	5	5	-
		16	16	15
<u>Second Year</u>		Fall	Winter	Spring
GSB 211b	American Government ⁴	4	-	-
GSC	Humanities Electives ²	3	3	3
GSD 126a, b, c	Elementary German	3	3	3
GSE 201	Healthful Living	3	-	-
Chem. 121a, b	Gen. Chemistry & Qualitative Analysis ⁵	5	5	-
Chem. 235	Gen. Qualitative Analysis ⁵	-	-	5
*Guid. 305	Educational Psychology	-	4	-
*Sec. Ed. 310	History & Prin. of Secondary Education	-	-	4
		18	15	15

*Required by the academic unit.

¹A curriculum designed for those who wish to become secondary school chemistry teachers. See also the College of Liberal Arts and Sciences.

²Select from General Studies Elective Sections. Note that the GSA elective should be a course from the biological science area to fulfill that area requirement.

³Substitutes for GSD Math.

⁴Students must have one course in American Government or American History for teacher certification.

⁵Substitutes for GSA area requirements.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include three quarter hours of Science, two hours of Social Studies, and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program
ELEMENTARY EDUCATION¹
 (Early Childhood Option)
 College of Education

<u>First Year</u>		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA 110a, B	Earth Science	4	4	-
GSB 102a	Anthropology	4	-	-
GSB 102b	Geography	-	-	4
GSB 201b	Intro to Sociology	-	-	4
GSC 100	Music Understanding)	-	3	-
GSC 101	Art Appreciation . .) Select one	-	-	-
GSC 103	World Literature for Composition ²	-	-	3
GSD 101, 102	English Composition ²	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	1	1
Math 111a, b	College Algebra and Trigonometry ³	5	5	-
*Mus. 010e	Class Applied Music (Piano)	-	-	1
		<u>17</u>	<u>16</u>	<u>16</u>
<u>Second Year</u>		Fall	Winter	Spring
GSA 110a, b	Environmental Biology	4	4	-
GSB 201c	Intro to Psychology	4	-	-
*GSB 211b	American Government ⁴	4	-	-
*GSB 300b, c	History of the United States (1815-present)	-	3	3
GSC 102	Philosophy (Ethics)	3	-	-
GSC 202	Intro to Poetry	-	3	-
GSC 209	Modern Literature	-	-	4
GSE 201	Healthful Living	-	3	-
*Math 310	Teaching Elementary Math	-	-	3
*Art 300	Art Education	-	4	-
*Guid. 305	Educational Psychology	-	-	4
*Ed. Adm. 355	Philosophy of Education	-	-	4
		<u>15</u>	<u>17</u>	<u>18</u>

*Required by the academic unit

¹Students in this program are recommended to plan a September Experience. This experience consists of serving as a teacher aide at an elementary school for a short period of time.

Student teaching can be in a kindergarten or one of the primary grades.

²A "C" average is required in GSD 101, 102 and GSC 103

³Recommended for qualified students. GSD Math is acceptable.

⁴A course in American Government or American History is required for teacher certification.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining G. S. requirements which include six quarter hours of Science and six hours of Social Studies.

Students in this program are permitted to waive six quarter hours of G. S. in area GSC (Humanities).

Recommended Program
ELEMENTARY EDUCATION¹
 College of Education

<u>First Year</u>		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA 110a, b	Earth Science	4	4	-
GSB 102a	Anthropology	4	-	-
GSB 102b	Geography	-	-	4
GSB 201b	Intro to Sociology	-	-	4
GSC 100	Music Understanding) Select one	-	3	-
GSC 101	Art Appreciation . .)	-	-	-
GSC 103	World Literature for Composition ²	-	-	3
GSD 101, 102	English Composition ²	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	1	1
Math 111a, b	College Algebra and Trigonometry ³	5	5	-
		<u>17</u>	<u>16</u>	<u>15</u>
<u>Second Year</u>		Fall	Winter	Spring
GSA 210a, b	Environmental Biology	4	4	-
GSB 201c	Intro to Psychology	4	-	-
GSB 211b	American Government ⁴	4	-	-
*GSB 300b, c	History of the United States (1815-present)	-	3	3
GSB 331	The American Educational Systems	-	3	-
GSC 102	Philosophy (Ethics)	3	-	-
GSC 202	Intro to Poetry	-	3	-
GSC 209	Modern Literature	-	-	4
GSE 201	Healthful Living	-	3	-
*Math 310	Teaching Elementary Math	-	-	3
*Guid. 305	Educational Psychology	-	-	4
*Ed. Adm. 355	Philosophy of Education	4	-	-
*P.E.W. 319	Teaching Elementary School Group Activities	-	-	4
		<u>19</u>	<u>16</u>	<u>18</u>

*Required by the academic unit

¹Students in this program are recommended to plan a September Experience. This experience consists of serving as a teacher aide in an elementary school for a short period of time.

²A "C" average in GSD 101, 102 and GSD 103 is required.

³Recommended for qualified students. GSD math is a substitute.

⁴A course in American Government or American History is required for teacher certification.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of Science and six hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program
ENGLISH
Option 1 (Teacher Training)¹
College of Education

<u>First Year</u>		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	4	4	4
GSB	Social Studies Electives ²	-	4	4
GSC 100	Music Understanding)	3	-	-
GSC 101	Art Appreciation. .)	-	3	-
GSC 102	Philosophy (Ethics)	-	-	3
GSC 103	World Literature for Composition ³	3	3	-
GSD 101, 102	English Composition ³	-	-	3
GSD 103	Speech	3	3	3
*GSD	Foreign Language	1	1	1
GSE	Physical Education	14	18	18
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB 201b	Intro. to Sociology	4	-	-
GSB 201c	Intro. to Psychology	-	4	-
*GSB 211b	American Government ⁴	-	4	-
*GSC 201	Introduction to Drama	3	-	-
*GSC 202	Introduction to Poetry	-	3	-
*GSC 210	Introduction to Fiction	-	-	3
*GSD	Foreign Language	3	3	3
GSE 201	Healthful Living	3	-	-
*Guid. 305	Educational Psychology	-	-	4
*Sec. Ed. 310	History & Principles of Secondary Ed.	-	-	4
		17	18	14

*Required by the academic unit.

¹See also the College of Liberal Arts & Sciences.

²Select from General Studies Elective Sections.

³A "C" average is required in GSD 101, 102 and GSC 103, or their approved equivalent.

⁴A course in American Government or American History is required for teacher certification.

Comments: Students interested in this program should consult the department chairman. Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program

FOREIGN LANGUAGE (French - Teaching)¹

College of Education

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	-
GSC	Humanities Electives ²	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 123a, b, c	Elementary French	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
Fr. 123a, b, c	French Conversation	1	1	1
		<u>16</u>	<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
*GSB 201c	Introduction to Psychology	4	-	-
*GSB 211b	American Government ³	-	4	-
GSC	Humanities Electives ²	3	3	3
*Guid 305	Educational Psychology	-	-	4
Fr. 201a, b, c	Intermediate French	3	3	3
Fr. 220a, b, c	Intermediate French Conversation	2	2	2
*Sec. Ed. 310	History & Prin. of Secondary Ed.	-	-	4
		<u>16</u>	<u>16</u>	<u>16</u>

*Required by the academic unit.

¹See also the College of Liberal Arts and Sciences. Other languages available that are not listed in this text are: Chinese, Portuguese, Greek, and Italian. Consult the Department of Foreign Language for requirements.

²Select from General Studies Elective Sections

³A course in American Government or American History is required for Teacher Certification.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program

FOREIGN LANGUAGE¹ (German - Teaching)

College of Education

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	-
GSC	Humanities Elective ²	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 126a,b,c	Elementary German	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
Ger 126a,b,c	German Conversation	1	1	1
		<u>16</u>	<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
*GSB 201c	Introduction to Psychology	4	-	-
*GSB 211b	American Government ³	-	4	-
GSC	Humanities Electives ²	3	3	3
*Guid 305	Educational Psychology	-	-	4
Ger 201a,b,c	Intermediate German	3	3	3
Ger 220a,b,c	Intermediate German Conversation	2	2	2
*S. Ed. 310	History & Principles of Secondary Education	-	-	4
		<u>16</u>	<u>16</u>	<u>16</u>

*Required by the academic unit.

¹See also the College of Liberal Arts and Sciences. Other languages available that are not listed in this text are: Chinese, Portuguese, Greek, and Italian. Consult the Department of Foreign Language for requirements.

²Select from General Studies Elective Sections.

³A course in American Government or American History is required for Teacher Certification.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program

FOREIGN LANGUAGE (Latin - Teaching)¹ College of Education

<u>First Year</u>		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	-
GSC	Humanities Elective ²	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 133a, b	Elementary Latin	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
		<u>15</u>	<u>15</u>	<u>16</u>
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	4	3
GSB 201c	Introduction to Psychology	-	4	-
*GSB 211b	American Government ³	4	-	-
GSC	Humanities Electives ²	3	3	3
*Guid 305	Educational Psychology	-	-	4
Latin 201a, b, c	Intermediate Latin	4	4	4
*Sec. Ed. 310	History and Principles of Secondary Ed.	-	-	4
		<u>15</u>	<u>15</u>	<u>18</u>

*Required by the academic unit.

¹See also the College of Liberal Arts and Sciences. Other languages available that are not listed in this text are: Chinese, Portuguese, Greek, and Italian. Consult the department of Foreign Language for requirements.

²Select from General Studies Elective Sections.

³A course in American Government or American History is required for Teacher Certification.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include three quarter hours of Science, six hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program

FOREIGN LANGUAGE (Russian - Teaching)¹

College of Education

		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
<u>First Year</u>				
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	-
GSC	Humanities Elective ²	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 136a,b,c	Elementary Russian	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
Russ 136a,b,c	Russian Conversation	<u>1</u>	<u>1</u>	<u>1</u>
		16	16	17
<u>Second Year</u>				
		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB 201c	Introduction to Psychology	4	-	-
*GSB 211b	American Government ³	-	4	-
GSC	Humanities Electives ²	3	3	3
*Guid 305	Educational Psychology	-	-	4
Russ 201a,b,c	Intermediate Russian	3	3	3
Russ 220a,b,c	Intermediate Russian Conversation	2	2	2
*S. Ed. 310	History & Principles of Secondary Education	<u>-</u>	<u>-</u>	<u>4</u>
		16	16	16

*Required by the academic unit.

¹See also the College of Liberal Arts and Sciences. Other languages available that are not listed in this text are: Chinese, Portuguese, Greek, and Italian. Consult the Department of Foreign Language for requirements.

²Select from General Studies Elective Sections.

³A course in American Government or American History is required for Teacher Certification.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which includes six quarter hours of Science, six hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program

FOREIGN LANGUAGE (Spanish - Teaching)¹

College of Education

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	-
GSC	Humanities Elective ²	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 140a,b,c	Elementary Spanish	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
Span 140a,b,c	Spanish Conversation	<u>1</u>	<u>1</u>	<u>1</u>
		16	16	17
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB 201c	Introduction to Psychology	4	-	-
*GSB 211b	American Government ³	-	4	-
GSC	Humanities Electives ²	3	3	3
*Guid 305	Educational Psychology	-	-	4
Span 201a,b,c	Intermediate Spanish	3	3	3
Span 220a,b,c	Intermediate Spanish Conversation	2	2	2
*S. Ed. 310	History & Principles of Secondary Education	<u>-</u>	<u>-</u>	<u>4</u>
		16	16	16

*Required by the academic unit.

¹See also the College of Liberal Arts and Sciences. Other languages available that are not listed in this text are: Chinese, Portuguese, Greek, and Italian. Consult the Department of Foreign Language for requirements.

²Select from General Studies Elective Sections.

³A course in American Government or American History is required for Teacher Certification.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which includes six quarter hours of Science, six hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program
GEOGRAPHY¹
 College of Education

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA 110a, b	Earth Science	-	4	4
GSB 102a	Anthropology	4	-	-
GSB 102b	Geography	-	4	-
GSC	Humanities Electives ²	3	3	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD	Foreign Language	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
		<u>14</u>	<u>18</u>	<u>17</u>
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	4	-
*GSA 331	Climate	-	-	3
*GSB 201c	Intro to Psychology	4	-	-
GSB 211a	Introductory Economics	-	4	-
*GSB 211b	American Government ³	-	-	4
GSC 205	Design	4	-	-
GSC 207	Philosophy	-	3	-
*Guid. 305	Educational Psychology	-	-	4
*S. Ed. 310	History & Principles of Sec. Education	-	4	-
Geog. 300	Intro to Geography	4	-	-
Geog. 302	Physical Geography	-	-	4
		<u>16</u>	<u>15</u>	<u>15</u>

*Required by the academic unit.

¹See also the College of Liberal Arts and Sciences

²Select from General Studies elective section

³A course in American Government or American History is required for teacher certification.

Comments: Each student should develop his own program in council with the Department of Geography.

Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include three quarter hours of science and six hours of humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Social Studies).

Recommended Program
GOVERNMENT¹
 College of Education

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
GSA	Science Electives ²	-	4	-
GSB 100a, b	Western Civilization - History	4	4	-
GSB 201b	Introduction to Sociology	-	-	4
GSC 100	Music Understanding)	3	-	-
GSC 101	Art Appreciation. .) Select One	-	3	-
GSC 102	Philosophy (Ethics)	-	-	3
GSC 103	World Literature for Composition	3	3	-
GSD 101, 102	English Composition	-	-	3
GSD 103	Speech	3-5	3	3
GSD	Foreign Language. .)	1	1	1
GSD 107a, b	Basic College Math.) Select One	-	-	3
GSE	Physical Education	14-16	18	17
GSE 201	Healthful Living			
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	4	3
GSB 201c	Introduction to Psychology	-	4	-
GSB 211a	Introduction to Economics	-	4	-
*GSB 211b	American Government. . . .) Select One	4	-	-
*Govt. 231	American National Government)	3	-	3
GSC	Humanities Electives ²	-	-	4
*Guid. 305	Educational Psychology	4	-	-
*Sec. Ed. 310	History and Prin. of Secondary Ed.	-	4	-
Govt. 232	State and Local Government	-	-	5
Govt. 305	Development of American Constitution	15	16	15

*Required by the academic unit.

¹See also the College of Liberal Arts and Sciences

²Select from General Studies Elective Section

Comments: There is considerable variation in the requirements for a Government major, depending upon the interest of the student. Prospective majors should consult with the department at the time of registration.

Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include seven quarter hours of Science and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSB (Social Studies).

Recommended Program
HEALTH EDUCATION¹
 College of Education

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	4	4	4
GSB	Social Studies Electives ²	4	4	-
BSB 201b	Introduction to Sociology	-	-	4
GSC 100	Music Understanding)	3	-	-
GSC 101	Art Appreciation. .) Select One	-	3	-
GSC 102	Philosophy (Ethics)	-	-	3
GSC 103	World Literature for Composition	3	3	-
GSD 101, 102	English Composition	-	-	3
GSD 103	Speech	1	1	1
GSE	Physical Education	-	-	3
GSE 201	Health Education	15	15	18

<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Elective ²	4	-	-
GSB	Social Studies Elective	4	-	-
*GSB 201c	Introduction to Psychology	-	4	-
GSC	Humanities Electives ²	3	3	3
GSD	Foreign Language.) Select One	3-5	3	3
GSD 107a, b	Basic College Mathematics .) Select One	-	-	4
*Guid. 305	Educational Psychology	-	4	-
*Sec. Ed. 310	History & Prin. of Secondary Education	-	3	-
H. Ed. 300	Communicable Disease	-	-	4
H. Ed. 301	Health Education Concepts, Advanced	-	-	4
H. Ed. 312	Emotional Health	14-16	17	18

*Required for this program.

¹Students must select one of three available options: Health Education in Elementary Schools, Health Education in Secondary Schools, or Community Health Education.

²Select from General Studies Elective Sections.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program

HISTORY¹

College of Education

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA	Science Electives ²	4	4	4
*GSB 100a,b	Western Civilization - History	4	4	-
GSC	Humanities Electives ²	3	3	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD	Foreign Language ³	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
		<u>18</u>	<u>18</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	3	3
GSB 201c	Introduction to Psychology	4	-	-
*GSB 300a,b	History of the United States	3	3	3
GSC	Humanities Electives ²	3	3	3
*GSD	Foreign Language, Intermediate ³	3	3	3
*Guid 305	Educational Psychology	-	-	4
*S. Ed. 310	History & Principles of Secondary Education	-	4	-
		<u>17</u>	<u>16</u>	<u>16</u>

*Required by the academic unit.

¹See also the College of Liberal Arts and Sciences.

²Select from General Studies Elective Sections.

³The department requires two years of Foreign Language or two years of Mathematics.

Comments: No secondary concentration (minor) is required, though eighteen to twenty-four hours should be taken in related fields approved by the department.

When possible, transfer students should consult with the department prior to their first quarter of attendance.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include one quarter hour of Social Studies and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Social Studies).

Recommended Program
JOURNALISM¹
 College of Education

<u>First Year</u>		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Electives ²	4	4	4
GSC	Humanities Electives ²	3	3	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 107a, b	Intro. to Basic College Math) ³			
GSD	Foreign Language.) Select One	3-5	3	3
GSE	Physical Education	1	-	-
		<u>14</u>	<u>17</u>	<u>17</u>
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	4	4
GSB	Social Studies Electives ²	4	-	-
GSC	Humanities Electives ²	3	3	3
GSE	Physical Education	-	1	1
GSE 201	Healthful Living	-	-	3
J 203	News	3	-	-
J 301	News Writing and Editing I	-	3	-
J 302	News Writing and Editing II	-	-	3
Elect.	Electives ⁴	6	4	-
		<u>16</u>	<u>15</u>	<u>14</u>

¹Also available under the College of Communications and Fine Arts.

²Select from General Studies Elective Sections.

³If the eight quarter hour Math sequence is selected, the three hours listed for Spring may be used as electives.

⁴See requirements in Undergraduate Bulletin.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, six hours of Social Studies, four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSB (Social Studies).

Recommended Program

LANGUAGE ARTS¹

College of Education

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB 100a,b	History - Western Civilization	4	4	-
GSB 102a	Anthropology	4	-	-
GSB 201b	Introduction to Sociology	-	-	4
GSB 211a	Economics	-	-	4
GSB 211b	American Government	-	4	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
		<u>16</u>	<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 331	Climate	3	-	-
GSA 312	Conservation of Natural Resources	-	3	-
GSB 300a,b,c	History of United States	3	3	3
GSC 100	Music Understanding . .)	3	-	-
GSC 101	Art Appreciation . .)	Select One		
GSC 103	World Literature for Composition	3	-	-
GSC 200	Oral Interpretation of Literature	-	4	-
GSC 202	Introduction to Poetry	-	-	3
GSC 210	Introduction to Fiction	-	-	3
GSD 103	Speech	-	3	-
GSD	Foreign Language)	Select One 3-5		
GSD 107a,b	Basic College Mathematics . .)			
Guid 305	Educational Psychology	-	-	4
		<u>15-17</u>	<u>16</u>	<u>16</u>

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¹Consult with the College of Education for program requirements.

²Select from General Studies Elective Sections.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include eight quarter hours of Sciences and six hours of Humanities.

Recommended Program

MATHEMATICS¹

College of Education

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA 101a,b	Introduction to Physical ₂ Science	-	4	4
GSB	Social Studies Electives	4	-	4
GSC	Humanities Electives ²	3	3	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	1	1
Math 111a,b	College Algebra & Trigonometry ³	<u>5</u>	<u>5</u>	<u>-</u>
		16	16	18
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB 201b	Introduction to Sociology	4	-	-
*GSB 201c	Introduction to Psychology	-	4	-
*GSB 211b	American Government ⁴	-	-	4
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	-	-	3
Math 150a,b	Elementary Calculus & Analytic Geometry ³	5	5	-
*Phys 211a	University Physics ⁵	-	-	5
*Guid 305	Educational Psychology	<u>-</u>	<u>-</u>	<u>4</u>
		16	16	19

*Required for this curriculum.

¹See also the College of Liberal Arts and Sciences.

²Select from General Studies Elective Sections.

³Substitutes for GSD Math. Also proficiency exams can be taken in any or all of these courses.

⁴A course in American Government or American History is required for Teacher Certification.

⁵Physics 211b,c is recommended.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Social Studies and one hour of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program
MUSIC EDUCATION¹⁻²
 College of Education

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
GSA	Science Electives ³	-	4	4
GSB	Social Studies Electives ³	4	-	4
GSC	Humanities Elective ³	-	3	-
GSD 101, 102	English Composition	3	3	-
GSD 107a, b	Intro. to Basic College Math.) ⁴			
GSD	Foreign Language.)Select One	3-5	3	3
GSE	Physical Education	1	-	1
Mus. 105a, b, c	Theory of Music Fundamentals	4	4	4
		<u>15-17</u>	<u>17</u>	<u>16</u>
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ³	4	4	4
GSB	Social Studies Electives ³	4	4	-
GSB 211b	American Government ⁵	-	-	4
GSC	Humanities Electives ³	3	3	3
GSD 103	Speech	3	-	-
GSE	Physical Education	-	1	-
GSE 201	Healthful Living	-	-	3
*Guid. 305	Educational Psychology	4	-	-
*Sec. Ed. 310	History & Principles of Secondary Ed.	-	4	-
Mus. 205	Theory of Music-Advanced	-	-	3
		<u>18</u>	<u>16</u>	<u>17</u>

*Required by the academic unit.

¹Also available under the College of Communications and Fine Arts.

²Each resident music student must maintain satisfactory membership in either a university band, orchestra, or chorus every quarter except for the student teaching quarter.

Each candidate for the Bachelor of Music degree must pass the proficiency examination in secondary piano. Those specializing in music education must present a half recital in their senior year. A student must also pass a proficiency test in voice or elect class voice until he can pass the test.

³Select from General Studies Elective Section.

⁴If eight quarter hours Math sequence is selected the three hours listed for Spring may be electives.

⁵Students desiring a secondary school teaching certificate must have a course in American Government or American History.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, two hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program

PHYSICAL EDUCATION (For Men)

College of Education

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA	Science Electives ¹	-	4	4
GSB	Social Studies Elective ¹	4	-	-
GSC	Humanities Electives ¹	3	3	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD	Foreign Language) ²	3-5	3	3
GSD 107a,b	Basic College Mathematics . .)	Select One		
PEM 100	Methods of Teaching Electives ³	3	3	3
		16-18	16	16
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
*GSA	Science Elective ¹	4	-	-
GSA 301	Principles of Physiology	-	-	4
GSB	Social Studies Electives ¹	4	4	4
*GSB 201c	Introduction to Psychology	-	4	-
GSC	Humanities Electives ¹	3	3	3
GSE 201	Healthful Living	3	-	-
*Guid 305	Educational Psychology	-	-	4
PEM 100	Methods of Teaching Electives ³	3	3	3
*S. Ed. 310	History & Principles of Secondary Education	-	4	-
		17	18	18

*Required for this curriculum.

¹Select from General Studies Elective Sections.

²If eight quarter hours Math sequence is selected, the three hours listed for spring may be electives.

³See Undergraduate Catalog for specifics.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include six quarter hours of Science, two hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program

PHYSICAL EDUCATION (For Women)¹

College of Education

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Electives ²	4	4	4
GSC	Humanities Electives ²	3	3	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD	Foreign Language) ³	3-5	3	3
GSD 107a,b	Basic College Mathematics .) Select One			
PEW 113	Basic Movement	1	-	-
PEW 114	Speedball	1	-	-
PEW 211	Intermediate Swimming	-	1	-
PEW 212	Beginning Contemporary Dance	1	-	-
PEW 222	Folk Dancing	-	-	1
		<u>16-18</u>	<u>18</u>	<u>18</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	-	4	4
GSB 201c	Introduction to Psychology	4	-	-
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	3	-	-
Guid 305	Educational Psychology	-	-	4
S. Ed. 310	History & Principles of Secondary Education	-	-	4
PEW 224	Basketball	1	-	-
PEW 228	Tennis	-	1	-
PEW 242	Square and Social Dance	1	-	-
PEW 244	Hockey	-	-	1
H. Ed. 334	First Aid	-	4	-
		<u>16</u>	<u>16</u>	<u>16</u>

*Required for this curriculum.

¹A secondary concentration is required for Standard High School Certificate.

²Select from General Studies Elective Sections.

³If eight quarter hours Math sequence is selected, the three hours listed for spring may be electives.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which includes six quarter hours of Science and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program

PHYSICS¹

College of Education

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA	Social Studies Electives ²	4	-	4
GSC	Humanities Electives ²	3	3	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	1	1
*Math 111a,b	College Algebra & Trigonometry ³	5	5	-
*Chem 121a,b	General Chemistry & Qualitative Analysis ⁴	-	5	5
		<u>16</u>	<u>17</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Elective ²⁻⁵	-	-	4
*GSB 201c	Introduction to Psychology	4	-	-
*GSB 211b	American Government ⁶	-	4	-
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	-	-	3
*Guid 305	Educational Psychology	-	-	4
*Math 150a,b	Elementary Calculus & Analytic Geometry	5	5	-
Phys 301	Mechanics	3	-	-
Phys 305a,b	Introduction to Electric Theory	3	-	3
*S. Ed. 310	History & Principles of Secondary Education	-	4	-
		<u>18</u>	<u>16</u>	<u>17</u>

*Required for this curriculum.

¹See also the College of Liberal Arts and Sciences.

²Select from General Studies Elective Sections.

³Substitutes for GSD Math.

⁴Substitutes for GSA courses. This sequence is for students without a year of high school Chemistry.

⁵All students must have a course from the Biological area.

⁶A course in American Government or American History is required for Teacher Certification.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include eight quarter hours of Science, six hours of Social Studies, and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program

RECREATION AND OUTDOOR EDUCATION¹ (Community Recreation)

College of Education

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA	Science Electives ²	4	4	4
GSB 102a	Introduction to Anthropology	4	-	-
GSB 102b	Introduction to Geography	-	4	-
GSB 211a	Introductory Economics	-	-	4
GSC 100	Music Understanding .)	-	3	-
GSC 101	Art Appreciation . .)	-	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 107	Basic College Math ³	5	-	-
GSD 109	Elements of Probability ³	-	3	-
GSE	Physical Education	1	1	1
Rec 201	Leisure and Recreation	-	-	3
		<u>17</u>	<u>18</u>	<u>18</u>

<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
*GSA 312	Conservation of Natural Resources	3	-	-
*GSA 340	Ecology	-	3	-
*GSB 201c	Introduction to Psychology	4	-	-
*GSB 211b	American Government ⁴	-	4	-
*GSB 321	Socialization of the Individual	-	3	-
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	-	3	-
*Guid 305	Educational Psychology	-	-	4
*Mgt 340	Business Organization and Management	-	-	4
*Govt 232	State and Local Government	4	-	-
*Mus 200	Fundamentals of Music	-	-	3
*Spch 303	Business and Professional Speaking	-	4	-
Rec 202	Programs in Recreation	3	-	-
		<u>17</u>	<u>17</u>	<u>17</u>

*Required for this curriculum.

¹See also other specializations within this area.

²Select from General Studies Elective Sections.

³Math recommended, foreign language (one year) is acceptable.

⁴A course in American Government or American History is required for Teacher Certification.

Comments: Each student is expected to choose courses which will give him a broad background in recreational activities and skills.

Students are also encouraged to obtain: American Red Cross Life Saving and Water Certificate, American Camping Association Campcraft Certificate.

Students not interested in teaching recreation may do so but must sign a statement to this fact and state that he is not qualified for Teacher Certification.

Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include four quarter hours of Science and seven hours of Social Studies.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Social Studies).

Recommended Program

RECREATION AND OUTDOOR EDUCATION¹ (Outdoor Education)

College of Education

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA	Science Electives ²	4	4	4
GSB 102a	Introduction to Anthropology	4	-	-
GSB 102b	Introduction to Geography	-	4	-
GSB 211a	Introductory Economics	-	-	4
GSC 100	Music Understanding .)	-	3	-
GSC 101	Art Appreciation . .)	Select One		
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 107	Basic College Math ³	5	-	-
GSD 109	Elements of Probability ³	-	3	-
GSE	Physical Education	1	1	1
Rec 201	Leisure and Recreation	-	-	3
		<u>17</u>	<u>18</u>	<u>18</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
*GSA 312	Conservation of Natural Resources	3	-	-
*GSA 340	Ecology	-	3	-
*GSB 201c	Introduction to Psychology	4	-	-
*GSB 211b	American Government ⁴	-	4	-
*GSB 321	Socialization of the Individual	-	3	-
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	-	-	3
*Guid 305	Educational Psychology	-	-	4
*Govt 232	State and Local Government	4	-	-
*Mgt 340	Business Organization and Management	-	-	4
*Spch 303	Business and Professional Speaking	-	4	-
*Psyc 301	Child Psychology	-	-	4
Rec 202	Programs in Recreation	3	-	-
		<u>17</u>	<u>17</u>	<u>18</u>

*Required for this curriculum.

¹See also other specializations within this area.

²Select from General Studies Elective Sections.

³Math recommended, foreign language (one year) is acceptable.

⁴A course in American Government or American History is required for Teacher

Certification.

Comments: Each student is expected to choose courses which will give him a broad background in recreational activities and skills.

Students are also encouraged to obtain: American Red Cross Life Saving and Water Certificate, American Camping Association Campcraft Certificate.

Students not interested in teaching recreation may do so but must sign a statement to this fact and state that he is not qualified for Teacher Certification.

Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include four quarter hours of Science and seven hours of Social Studies.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Social Studies).

Recommended Program

RECREATION AND OUTDOOR EDUCATION¹ (Outdoor Recreation Management)

College of Education

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
GSA	Science Electives ²	4	4	4
GSB 102a	Introduction to Anthropology	4	-	-
GSB 102b	Introduction to Geography	-	4	-
GSB 211a	Introductory Economics	-	-	4
GSC 100	Music Understanding . .)	-	3	-
GSC 101	Art Appreciation . .) Select One	-	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 107	Basic College Math ³	5	-	-
GSD 109	Elements of Probability ³	-	3	-
GSE	Physical Education	1	1	1
Rec 201	Leisure and Recreation	-	-	3
		17	18	18
<u>Second Year</u>		Fall	Winter	Spring
*GSA 312	Conservation of Natural Resources	3	-	-
*GSA 340	Ecology	-	3	-
*GSB 201c	Introduction to Psychology	4	-	-
*GSB 211b	American Government ⁴	-	4	-
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	-	3	-
*Guid 305	Educational Psychology	-	-	4
*Govt 232	State and Local Government	4	-	-
*Mgt 340	Business Organization and Management	-	-	4
*Spch 303	Business and Professional Speaking	-	4	-
*Zoo 102	General Invertebrate Zoology	-	-	5
Rec 202	Programs in Recreation	3	-	-
		17	17	16

*Required for this curriculum.

¹See also other specializations within this area.

²Select from General Studies Elective Sections.

³Math recommended, foreign language (one year) is acceptable.

⁴A course in American Government or American History is required for Teacher Certification.

Comments: Each student is expected to choose courses which will give him a broad background in recreational activities and skills.

Students are also encouraged to obtain: American Red Cross Life Saving and Water Certificate, American Camping Association Campcraft Certificate.

Students not interested in teaching recreation may do so but must sign a statement to this fact and state that he is not qualified for Teacher Certification.

Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include four quarter hours of Science and seven hours of Social Studies.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Social Studies).

Recommended Program
RECREATION AND OUTDOOR EDUCATION¹
 (Recreation for Special Populations)
 College of Education

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA	Science Electives ²	4	4	4
GSB 102a	Introduction to Anthropology	4	-	-
GSB 102b	Introduction to Geography	-	4	-
GSB 211a	Introductory Economics	-	-	4
GSC 100	Music Understanding)	-	3	-
GSC 101	Art Appreciation. .)	-	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 107	Basic College Math ³	5	-	-
GSD 109	Elements of Probability ³	-	3	-
GSE	Physical Education	1	1	1
Rec. 201	Leisure and Recreation	-	-	3
		<u>17</u>	<u>18</u>	<u>18</u>

<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	3	3	3
*GSB 201c	Introduction to Psychology	4	-	-
*GSB 211b	American Government ⁴	-	4	-
*GSB 321	Socialization of the Individual	-	3	-
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	-	-	3
*Guid 305	Educational Psychology	-	-	4
*Govt. 232	State and Local Government	4	-	-
*Mgt. 340	Business Organization & Management	-	-	4
*Spch 303	Business and Professional Speaking	-	4	-
Rec. 202	Programs in Recreation	3	-	-
		<u>17</u>	<u>17</u>	<u>17</u>

*Required for this curriculum

¹See also other specializations within the area.

²Select from General Studies Elective Sections

³Math recommended, foreign language (one year) is acceptable.

⁴A course in American Government or American History is required for Teacher Certification.

Comments: Each student is expected to choose courses which will give him a broad background in recreational activities and skills.

Students are also encouraged to obtain: American Red Cross Life Saving and Water Certificate, American Camping Association Campcraft certificate.

Students not interested in teaching recreation may do so but must sign a statement to this fact and state that he is not qualified for Teacher Certification.

Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include one quarter hour of Science and seven hours of Social Studies.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Social Studies).

Recommended Program
SECONDARY EDUCATION
 College of Education

Agricultural Education	Foreign Languages	Music Education
Art Education	General Science	Physical Education
Biological Sciences	Geography	Physics
Business Education	Government	Social Studies
Botany ¹	Health Education	Speech
Chemistry	History	Technical and Industrial
Economics	Home Economics	Education
English	Journalism	Theater ²
English Language Arts	Mathematics	Zoology ¹

One who is preparing to teach in junior high school, high school, or junior colleges does not concentrate in secondary education, but must concentrate in any of the areas above.

Secondary Education concerns itself with the sequences of professional education courses that lead to certification for teaching.

See the Undergraduate Catalog for specific requirements concerning the Standard High School Certificate, the Standard Special Certificate, Student Teaching, and admission to a Teacher Education Program.

With the consent of an academic advisor, a secondary concentration (Minor) may be selected from one of the areas below.

Biological Sciences	Government	Physics
Black American Studies	Health Education	Physiology
Botany ¹	History	Psychology
Business Education	Home Economics	Sociology
Chemistry	Education	Speech
Driver Education	Instructional Materials	Technical and Industrial
Earth Sciences	Journalism	Education
Economics	Mathematics	Theater
English	Microbiology	Zoology ¹
Foreign Languages	Music	
Geography	Philosophy	

¹A student with a concentration in botany or zoology should have a secondary concentration in the other in order to meet certification standards for teaching biology at the high school level.

²In choosing this concentration, the number of hours required is 36; a secondary concentration of 36 quarter hours must also be chosen; a secondary concentration of 27 hours is also required.

Recommended Program

SOCIAL STUDIES¹

College of Education

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB 100a,b	History - Western Civilization	4	4	-
GSB 102a	Anthropology	4	-	-
GSB 201b	Introduction to Sociology	-	-	4
GSB 211a	Economics	-	-	4
GSB 211b	American Government	-	4	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
		<u>16</u>	<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 331	Climate	3	-	-
GSA 312	Conservation of Natural Resources	-	3	-
GSB 300a,b,c	History of United States	3	3	3
GSC 100	Music Understanding . .) Select One	3	-	-
GSC 101	Art Appreciation . . .)			
GSC 103	World Literature for Composition	3	-	-
GSC 200	Oral Interpretation of Literature	-	4	-
GSC 202	Introduction to Poetry	-	-	3
GSC 210	Introduction to Fiction	-	-	3
GSD 103	Speech	-	3	-
GSD	Foreign Language)	3-5	3	3
GSD 107a,b	Basic College Mathematics . .) Select One			
Guid 305	Educational Psychology	-	-	4
		<u>15-17</u>	<u>16</u>	<u>16</u>

¹Consult with the College of Education for specific program requirements.

²Select from General Studies Elective Sections.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include eight quarter hours of Sciences and six hours of Humanities.

Recommended Program
SPECIAL EDUCATION¹
 College of Education

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
*GSA 110a, b	Earth Science	-	4	4
*GSB 102a	Anthropology	4	-	-
*GSB 102b	Geography	-	4	-
*GSC 100	Music Understanding)	3	-	-
*GSC 101	Art Appreciation. .) Select One	-	-	-
*GSC 102	Philosophy (Ethics)	-	3	-
*GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 107a, b	Basic College Mathematics	5	3	-
GSE	Physical Education	1	1	1
*Math 310	Teaching of Elementary Mathematics	-	-	4
		<u>16</u>	<u>18</u>	<u>15</u>
<u>Second Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
*GSA 210a, b	Environmental Biology	4	4	-
*GSB 201b	Introduction to Sociology	4	-	-
*GSB 201c	Introduction to Psychology	-	4	-
*GSB 300b, c	History of the United States (1815-Present)	-	3	3
*GSC 204	Meaning in the Visual Arts ²	3	-	-
*GSC 210	Introduction to Fiction ²	-	3	-
*GSE 201	Healthful Living	-	-	3
*Govt. 300	American Government ²	-	-	4
*Psyc 301	Child Psychology	-	-	4
*Mus 300b	Music Education ²	4	-	-
*Art 300	Art Education ²	3	-	-
*Ed. Ad. 355	Philosophy of Education	-	-	4
		<u>15</u>	<u>17</u>	<u>18</u>

*Required for this curriculum

¹Students must select one of three available specializations: the emotionally disturbed (maladjusted), the educable (mentally retarded), or the deaf and hard-of-hearing (acoustically handicapped).

Each area of concentration in Special Education leads to certification for teachers of a special kind of exceptional child.

²Limited substitutions are available for these courses -- See Undergraduate Catalogue.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of Science and one hour of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program
SPEECH (TEACHING)¹
 College of Education

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Elective ²	-	-	4
GSB 100b, c	Western Civilization - History	4	4	-
GSC	Humanities Electives ²	3	3	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	3	-
GSD 107a, b	Basic College Mathematics ³	3-5	3	3
GSD	Foreign Language.)Select One			
GSE	Physical Education	1	1	1
Spch. 102	Public Speaking	-	-	4
		<u>14-16</u>	<u>17</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	4
GSB 201b	Introduction to Sociology	4	-	-
GSB 201c	Introduction to Psychology	-	4	-
GSB 300a	History of United States (1492-1815) ⁴	-	3	-
GSC 200	Oral Interpretation of Literature	-	-	4
GSC 203	Drama & the Arts of the Theater	3	-	-
GSC 208	Logic and Meaning	-	-	4
GSE 201	Healthful Living	3	-	-
Guid. 305	Educational Psychology	-	-	4
Spch. 102	Public Speaking	-	3	-
Spch. 104	Training the Speaking Voice ³	-	4	-
Spch. 200	Phonetics.)Select One			
Spch. 205	Argumentation and Debate	4	-	-
		<u>18</u>	<u>18</u>	<u>16</u>

¹See also the College of Communications and Fine Arts.
²Select from General Studies Elective Section
³If the eight quarter hour Math sequence is selected, three hours listed for Spring may be electives.
⁴This course fulfills state certificate requirements for American History and the constitution examination. Substitutions for this course are available.

Comments: For students in this program, the department does not require a secondary concentration.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, three hours of Social Studies, and two hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSB (Social Studies) or GSC (Humanities).

Recommended Program
SPEECH PATHOLOGY AND AUDIOLOGY¹
 College of Education

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB 201b	Introduction to Sociology	-	4	-
GSB 211b	American Government	-	-	4
GSC	Humanities Electives ²	3	3	3
GSC 103	World Composition for Literature	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 107a, b	Basic College Mathematics ³	3-5	3	3
GSD	Foreign Language. . . .) Select One			
GSE	Physical Education	1	1	1
		<u>14-16</u>	<u>18</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 201a, b	Introductory Biology	4	4	-
GSB 201c	Introduction to Psychology	4	-	-
GSB 300a	History of United States (1492-1815)	3	-	-
GSB 331	American Educational System	-	3	-
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	-	-	3
Psyc. 301	Child Psychology	-	4	-
Ed. Ad. 355	Philosophy of Education	-	-	4
Psyc. 305	Psychology of Personality	-	-	4
Sp. & A. 200	Phonetics	4	-	-
Sp. & A. 203	Intro. to Speech Science	-	4	-
Sp. & A. 212	Articulatory Problem & Delayed Speech	-	-	4
		<u>18</u>	<u>18</u>	<u>18</u>

¹This program is designed for the student who plans to be a public school speech clinician. See also the College of Communications and Fine Arts.

²Select from General Studies Elective Sections.

³If the eight quarter hour Math sequence is selected, the three hours listed for Spring may be electives.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of Science and four hours of Social Studies.

Students in the program are permitted to waive six quarter hours of General Studies area GSA (Science) or GSB (Social Studies). Since some major field requirements are met by GSB courses, the most common waiver is area GSA.

SCHOOL OF HOME ECONOMICS

The general objectives of the school, as established by the Home Economics faculty, are: (1) to prepare men and women as professionals (generalists and specialists) in selected home economics areas of service; (2) to assist home economics majors (and non-majors who elect courses in the school) in their personal development and in their preparation for establishing homes and families; (3) to provide services at the regional, national, and international levels which promote the aim of home economics. In addition to programs planned for students concentrating in home economics, a number of courses are offered to give men and women not concentrating in home economics an opportunity to study in areas related to home and family living.

Administrative and advisement offices, classrooms, and laboratories for the school are in the Home Economics Building.

ACCREDITATION: North Central Association of Colleges and Secondary Schools, American Dietetics Association and State Board of Vocational Education for Vocational Home Economics.

DEGREES OFFERED: Bachelor of Science

Child and Family	Food and Nutrition
Pre-School	Dietetics
Clothing and Textiles	Foods in Business
Apparel Design	Food and Nutrition Science
Merchandising	Institutional Management
Family Economics and Management	Home Economics Education
Consumer Services in Business	Extension
Family Services Consultant	Teaching Vocational Homemaking
	Interior Design

GRADUATE PROGRAMS: The Master of Science and Master of Science in Education degrees with a major in home economics are available with specializations in: Clothing and Textiles (including interior design), Food and Nutrition, Home and Family, and Home Economics Education. The Doctor of Philosophy degree is available in home economics education.

ORGANIZATIONS: Scholastic and Professional Honoraries: American Institute of Interior Designers, Illinois Home Economics Association, Kappa Omicron Phi, and the National Society of Interior Designers.

Departmental: Food and Nutrition Council and the Home Economics Graduates.

TRANSFER STUDENTS: Students wanting to transfer occupational credit into the School of Home Economics should consult the department on the possible applicability of such credit towards meeting degree requirements.

FOR FURTHER INFORMATION:

Chief Academic Advisor	or	Chairman of (State Major)	or	Admissions Office
School of Home Economics		School of Home Economics		Woody Hall
Ph: (618) 453-5230				Ph: (618) 453-4381

Southern Illinois University at Carbondale
Carbondale, Illinois 62901

Recommended Program
CHILD AND FAMILY
 (Pre-School Program)
 School of Home Economics

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
*GSA 101a	Introduction to Physical Science	4	-	-
*GSA 110a, b	Earth Science)	Select One	4	4
*Chem. 110, 240	Inorganic and Organic Chemistry ¹⁾			
*GSB 102a	Anthropology	4	-	-
*GSB 102b	Geography	-	4	-
*GSC 100	Music Understanding)	Select One	3	-
*GSC 101	Art Appreciation. .)			
*GSC 102	Philosophy (Ethics)	-	-	3
*GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	-	1
C & T 127a	Clothing Selection and Construction	2	-	-
HEED 111	Home Economics Orientation	2	-	-
ID 131	Introduction to Design	-	3	-
F & N 100	Fundamentals of Nutrition	-	-	3
		<u>16</u>	<u>17</u>	<u>17</u>
<u>Second Year</u>		Fall	Winter	Spring
*GSA 201a, b	Introductory Biology	-	4	4
*GSB 201b	Introduction to Sociology	4	-	-
*GSB 201c	Introduction to Psychology	-	4	-
GSC	Humanities Electives ²⁾	3	4	-
GSD 107a, b	Intro. to Basic College Math) ³⁾	Select One	3	3
GSD	Foreign Language)			
GSE	Physical Education	-	1	-
GSE 201	Healthful Living	3	-	-
C & F 237	Child Development	3	-	-
C & F 227	Family Living	-	-	3
Guid. 305	Educational Psychology	-	-	4
SP E 200	Education of Exceptional Children	-	-	2
		<u>16-18</u>	<u>16</u>	<u>16</u>

*Required by the academic unit.

¹⁾Substitute for GSA 101b.

²⁾Select from General Studies Elective Section.

³⁾If the eight quarter hour Math sequence is selected the three hours listed for Spring may be electives.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of science, six hours of social studies and six hours of humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies).

Recommended Program
CLOTHING AND TEXTILES
 (Apparel Design)
 School of Home Economics

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA 101a	Introduction to Physical Science ¹	4	-	-
*GSC 101	Art Appreciation	3	-	-
*GSC 102	Philosophy (Ethics)	-	3	-
*GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	1	1
*Art 100c, d, e	Basic Studio	5	5	5
C & T 127a	Clothing Selection & Construction	2	-	-
*Chem. 110	General and Inorganic Chemistry ¹	-	4	-
*Chem. 240	Organic Chemistry ¹	-	-	4
F & N 100	Fundamentals of Nutrition	-	-	3
		<u>18</u>	<u>16</u>	<u>19</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Electives ²	4	-	4
GSB 102a	Anthropology	4	-	-
GSB 102b	Geography	-	4	-
GSC	Humanities Elective ²	-	3-4	-
GSD 107a, b	Intro. to Basic College Math. ³)	3-5	3	3
GSD	Foreign Language.) Select One			
GSE 201	Healthful Living	-	-	3
*Art 200b	Studio Disciplines	4	-	-
C & T 233	Pattern Desing & Clothing Construction	-	3	-
C & F 227	Family Living	-	-	3
		<u>15-17</u>	<u>17-18</u>	<u>17</u>

*Required by the academic unit.

¹If a student has previously completed both GSA 110a, b (Earth Science), he need not take GSA 101a, but he must take Chem. 110 and 240. Chem. 110, 240 substitutes for GSA 101b.

²Select from General Studies Elective Sections.

³If the eight quarter hour Math sequence is selected, the three hours listed for Spring may be electives.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, six hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies).

Recommended Program
CLOTHING AND TEXTILES
(Merchandising)
School of Home Economics

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
GSA 101a	Intro. to Physical Science ¹	4	-	-
GSC	Humanities Electives ²⁻⁴	3	3	3
GSD 101, 102	English Composition	3	3	-
GSD 107a, b	Intro. to Basic College Math.) ³			
GSD	Foreign Language.)Select One	3-5	3	3
GSE	Physical Education	-	1	1
C & T 127a, b	Clothing Selection & Construction	4	-	-
*Chem. 110	General & Inorganic Chemistry ¹	-	4	-
*Chem. 240	Organic Chemistry ¹	-	-	4
ID 131	Introduction to Design	-	3	-
F & N 100	Fundamentals of Nutrition	-	-	3
HEED 111	Home Economics Orientation. .)			
HEED 306	Readings in Home Economics Ed.)Select One	-	-	2
		17-19	17	16
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	-
*GSB 211a	Introductory Economics ⁵	-	4	-
GSB 211b	American Government	-	-	4
GSC	Humanities Electives ²⁻⁶	-	3-6	3-4
GSD 103	Speech	3	-	-
GSE	Physical Education	1	-	-
GSE 201	Healthful Living	3	-	-
C & F 227	Family Living	-	-	3
C & F 237	Child Development	3	-	-
C & T 233	Pattern Design & Clothing Construction	-	-	3
Acct. 250	Accounting Fundamentals . .)			
Acct. 251a	Financial Accounting. . . .)Select One	-	-	4
		18	15-16	17-18

*Required by the academic unit.

¹If a student has previously completed GSA 110a, b (Earth Science), he need not take GSA 101a, but he must take both Chem. 110 and 240. Chem. 110, 240 substitutes for GSA 101b.

²Select from General Studies Elective Sections.

³If the eight quarter hour Math sequence is selected, the three hours listed for Spring may be electives.

⁴GSC 101 (Art Appreciation) preferred.

⁵Students may select both GSB 201b (Sociology) and 201c (Psychology) instead of GSB 211b; but GSB 211a (or Econ. 214 - Macro Economics) is required.

⁶GSC 204 (Meaning in Visual Arts) preferred.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, six hours of Social Studies, and seven hours Humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies).

Recommended Program
FAMILY ECONOMICS AND MANAGEMENT
 (Consumer Services in Business)
 School of Home Economics

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Ot.</u>	<u>Ot.</u>	<u>Ot.</u>
*GSA 101a	Introduction to Physical Science	4	-	-
GSB	Social Studies Electives ¹	4	4	-
*GSC 100	Music Understanding)	-	3	-
*GSC 101	Art Appreciation. .)	-	-	3
*GSC 102	Philosophy (Ethics)	-	-	3
*GSC 103	World Literature for Composition	3	3	-
GSD 101, 102	English Composition	-	-	3
GSD 103	Speech	1	-	1
GSE	Physical Education	3	-	-
C & F 227	Family Living	-	4	-
*Chem. 110	General and Inorganic Chem. ²	-	-	4
*Chem. 140	Organic Chemistry ²	-	3	-
ID 131	Introduction to Design	-	-	3
F & N 100	Fundamentals of Nutrition	15	17	17
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
*GSA 201a, b	Introductory Biology	-	4	4
*GSB 211a	Introductory Economics	4	-	-
*GSB 211b	American Government	-	4	-
GSC	Humanities Electives ¹	3	3	4
GSD 107a, b	Intro. to Basic College Math	5	3	-
GSE	Physical Education	-	-	1
GSE 201	Healthful Living	-	-	3
C & T 127a, b	Clothing Selection & Construction	4	-	-
C & F 237	Child Development	-	3	-
R & T 161	Radio-Television Speaking	-	-	4
		16	17	16

*Required by the academic unit.

¹Select from General Studies Elective Sections.

²Substitute for GSA 101b.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, six hours of Social Studies, and three hours of Humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies).

Recommended Program
FAMILY ECONOMICS AND MANAGEMENT
(Family Services Consultant)
School of Home Economics

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
*GSA 101a	Introduction to Physical Science	4	-	-
*GSC 100	Music Understanding)	-	-	-
*GSC 101	Art Appreciation. .)Select One	-	3	-
*GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 107a, b	Introduction to Basic College Math.) ¹ Select	3-5	3	3
GSD	Foreign Language.) One	-	-	-
GSE	Physical Education	1	1	-
C & T 127a, b	Clothing Selection & Construction	4	-	-
*Chem. 110	General - Inorganic Chem. ²	-	4	-
*Chem. 240	Organic Chemistry ²	-	-	4
HEED 111	Home Economics Orientation ³	2	-	-
ID 131	Introduction to Design	-	3	-
C & F 227	Family Living	-	-	3
		<u>17-19</u>	<u>17</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
*GSA 201a, b	Introductory Biology	-	4	4
*GSB 102a	Anthropology	4	-	-
*GSB 102b	Geography	-	4	-
*GSB 201c	Intro. to Psychology	-	-	4
*GSB 201b	Intro. to Sociology	4	-	-
*GSC 102	Philosophy (Ethics)	3	-	-
GSC	Humanities Electives ⁴	-	7	3
GSE	Physical Education	-	1	-
GSE 201	Healthful Living	3	-	-
C & F 237	Child Development	3	-	-
F & N 100	Fundamentals of Nutrition	-	-	3
FE & M 323	Housing	-	-	2
		<u>17</u>	<u>16</u>	<u>16</u>

*Required by the academic unit.

¹If the eight quarter hour Math sequence is selected, the three hours listed for Spring may be electives.

²Substitute for GSA 101b.

³HEED 306 (Seminar and Readings in Home Economics Education) may be substituted.

⁴Select from General Studies Elective Sections.

Comments: Students unable to take professional listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, six hours of Social Studies, and six hours of Humanities.

Students in the above program are permitted to waive six quarter hours of General Studies area GSB (Social Studies). GSA 301 (Principles of Physiology), and GSA 302 (Psychophysiological Foundations of Behavior) are required.

Recommended Program
FOOD AND NUTRITION
 (Dietetics)
 School of Home Economics

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
*GSA 101a	Introduction to Physical Science	4	-	-
*GSB 102a	Anthropology	4	-	-
*GSB 102b	Geography	-	4	-
*GSC 100	Music Understanding)	3	-	-
*GSC 101	Art Appreciation. .) Select One	-	-	-
*GSC 102	Philosophy (Ethics)	-	3	-
*GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	-	1
*Chem. 110	General & Inorganic Chemistry ¹	-	4	-
*Chem. 240	Organic Chemistry ¹	-	-	4
C & T 127a	Clothing Selection and Construction	-	2	-
C & F 227	Family Living	-	-	3
F & N 100	Fundamentals of Nutrition	-	-	3
		<u>15</u>	<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
*GSA 301	Principles of Physiology	-	-	4
*GSB 201b	Intro. to Sociology	4	-	-
*GSB 201c	Intro. to Psychology	-	4	-
GSC	Humanities Electives ²	4	3	-
GSD 107a, b	Intro. to Basic College Math.	5	3	-
GSE	Physical Education	-	1	-
GSE 201	Healthful Living	-	-	3
*Acct. 250	Accounting Fundamentals	-	-	4
C & F 237	Child Development	-	-	3
Guid. 305	Educational Psychology	-	-	4
		<u>17</u>	<u>15</u>	<u>18</u>

*Required by the academic unit.

¹Substitute for GSA 101b.

²Select from General Studies Elective Sections.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of Social Studies, and six hours of Humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies).

Recommended Program

FOOD AND NUTRITION (Foods in Business)

School of Home Economics

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
*GSA 101a	Introduction to Physical Science	4	-	-
*GSB 101a, b	History (Western Civilization)	4	4	-
*GSC 100	Music Understanding)	3	-	-
*GSC 101	Art Appreciation. .)	-	3	-
*GSC 102	Philosophy (Ethics)	-	-	3
*GSC 103	World Literature for Composition	3	3	-
GSD 101, 102	English Composition	-	-	3
GSD 103	Speech	1	-	1
GSE	Physical Education	-	4	-
*Chem. 110	General and Inorganic Chemistry ¹	-	-	4
*Chem. 240	Organic Chemistry ¹	-	2	-
C & T 127a	Clothing Selection and Construction	-	-	3
C & F 227	Family Living	-	-	3
F & N 100	Fundamentals of Nutrition	15	16	17
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	-	4
*GSB 201b	Introduction to Sociology	4	-	-
*GSB 201c	Introduction to Psychology	-	4	-
GSC	Humanities Electives ²	-	4	3
GSD 107a, b	Intro. to Basic College Math.	5	3	-
GSE	Physical Education	-	-	1
GSE 201	Healthful Living	3	-	-
*Acct. 250	Accounting Fundamentals	-	4	-
C & F 237	Child Development	-	-	3
*R & T	Radio-Television Speaking	-	-	4
		16	15	15

*Required by the academic unit.

¹Substitute for GSA 101b.

²Select from General Studies Elective Sections.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, six hours of Social Studies, and six hours of Humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies). GSA 301 (Principles of Physiology), and GSA 302, Psychophysiological Foundations of Behavior, are also required.

Recommended Program
FOOD AND NUTRITION
 (Food and Nutrition Science)
 School of Home Economics

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
*GSA 101a	Introduction to Physical Science	4	-	-
*GSB 102a	Anthropology	4	-	-
*GSB 102b	Geography	-	4	-
*GSC 100	Music Understanding)	3	-	-
*GSC 101	Art Appreciation. .) Select One	-	3	-
*GSC 102	Philosophy (Ethics)	-	-	3
*GSC 103	World Lit. for Composition	3	3	-
GSD 101, 102	English Composition	-	-	3
GSD 103	Speech	1	-	1
GSE	Physical Education	-	5	5
*Chem. 121a, b	General Chem & Qualitative Analysis ¹	-	2	-
C & T 127a	Clothing Selection and Construction	-	-	3
C & F 227	Family Living	-	-	3
F & N 100	Fundamentals of Nutrition	15	17	18
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	-	4
*GSA 301	Principles of Physiology	-	-	4
*GSB 201b	Intro. to Sociology	4	-	-
*GSB 201c	Intro. to Psychology	-	4	-
GSC	Humanities Electives ²	4	3	-
GSE	Physical Education	-	-	1
GSE 201	Healthful Living	3	-	-
F & N 256	Science of Food	-	5	-
*Guid. 305	Educational Psychology	-	-	4
*Math 111a, b	College Algebra & Trigonometry	-	5	5
		15	17	18

*Required by the academic unit.

¹Substitute for GSA 101b.

²Select from General Studies Elective Sections.

Comments: Students unable to take professional courses listed above should attempt to take their remaining General Studies requirements which include six quarter hours of Social Studies and six hours of Humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies). GSA 313 (Evolution) is also required.

Recommended Program
FOOD AND NUTRITION
(Institutional Management)
School of Home Economics

<u>First Year</u>		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
*GSA 101a	Introduction to Physical Science	4	-	-
*GSB 102a	Anthropology	4	-	-
*GSB 102b	Geography	-	4	-
*GSC 100	Music Understanding)	-	-	-
*GSC 101	Art Appreciation. .)Select One	3	-	-
*GSC 102	Philosophy (Ethics)	-	3	-
*GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	-	1
*Chem. 110	General and Inorganic Chem. ¹	-	4	-
*Chem. 240	Organic Chem. ¹	-	-	4
C & T 127a	Clothing Selection and Construction	-	2	-
C & F 227	Family Living	-	-	3
F & N 100	Fundamentals of Nutrition	-	-	3
		<u>15</u>	<u>16</u>	<u>17</u>
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	-	4
*GSA 301	Principles of Physiology	-	-	4
*GSB 201b	Introduction to Sociology	4	-	-
*GSB 201c	Introduction to Psychology	-	4	-
GSC	Humanities Electives ²	-	4	3
GSD 107a, b	Introduction to Basic College Math	5	3	-
GSE	Physical Education	-	-	1
GSE 201	Healthful Living	3	-	-
*Acct. 251a	Financial Accounting	-	-	4
F & N 256	Science of Food	-	5	-
		<u>16</u>	<u>16</u>	<u>16</u>

*Required by the academic unit.

¹Substitute for GSA 101b.

²Select from General Studies Elective Sections.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of Social Studies, and six hours of Humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies).

Recommended Program
HOME ECONOMICS EDUCATION
 (Extension)
 School of Home Economics

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Ot.</u>	<u>Ot.</u>	<u>Ot.</u>
*GSA 101a	Introduction to Physical Science	4	-	-
*GSB 102a	Anthropology	-	-	4
*GSC 101	Art Appreciation	3	-	-
*GSC 102	Philosophy (Ethics)	-	3	-
*GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	1	1
*Chem. 140	General & Inorganic Chemistry ¹	-	4	-
*Chem. 240	Organic Chemistry ¹	-	-	4
C & T 121a, b	Clothing Selection and Construction	-	4	-
ID 131	Introduction to Design	3	-	-
HEED 111	Home Economic Orientation	2	-	-
F & N 100	Fundamentals of Nutrition	-	-	3
		<u>16</u>	<u>15</u>	<u>18</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
*GSA 201a, b	Introductory Biology	4	4	-
*GSB 102b	Geography	4	-	-
*GSB 201b	Introductory to Sociology	4	-	-
*GSB 201c	Introduction to Psychology	-	4	-
*GSB 211a	Introductory Economics	-	4	-
*GSB 211b	American Government	-	-	4
GSC	Humanities Elective ²	-	3	-
GSD 107a, b	Intro. to Basic College Math.) ³	3-5	3	3
GSD	Foreign Language.) Select One			
GSE 201	Healthful Living	-	-	3
C & F 227	Family Living	-	-	3
*Guid. 305	Educational Psychology	-	-	4
		<u>15-17</u>	<u>18</u>	<u>17</u>

*Required by the academic unit.

¹Substitute for GSA 101b.

²Select from General Studies Elective Section.

³If the eight quarter hours Math sequence is selected, the three hours listed for Spring may be electives.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirement which include two quarter hours of Science, and ten hours of humanities.

Students in the above program are permitted to waive six quarter hours of General Studies area GSB (Social Studies).

Recommended Program
HOME ECONOMICS EDUCATION
 (Teaching Vocational Homemaking)
 School of Home Economics

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
*GSA 101a	Introduction to Physical Science	4	-	-
*GSB 102a	Anthropology	-	-	4
*GSC 101	Art Appreciation	3	-	-
*GSC 102	Philosophy (Ethics)	-	3	-
*GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	1	1
*Chem. 110	General & Inorganic Chemistry ¹	-	4	-
*Chem. 240	Organic Chemistry ¹	-	-	4
ID 131	Introduction to Design	3	-	-
HEED 111	Home Economics Orientation	2	-	-
C & T 127a, b	Clothing Selection & Construction	-	4	-
F & N 100	Fundamentals of Nutrition	-	-	3
		16	15	18
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
*GSA 201a, b	Introductory Biology	4	4	-
*GSB 102b	Geography	4	-	-
*GSB 201b	Introduction to Sociology	4	-	-
*GSB 201c	Introduction to Psychology	-	4	-
*GSB 211a	Introductory Economics	-	4	-
*GSB 211b	American Government	-	-	4
GSC	Humanities Elective ²	-	3	-
GSD 107	Intro. to Basic College Math.) ³	3-5	3	3
GSD	Foreign Language.)Select One			
GSE 201	Healthful Living	-	-	3
C & F 227	Family Living	-	-	3
*Guid. 305	Educational Psychology	-	-	4
		15-17	18	17

*Required by the academic unit.

¹Substitute for GSA 101b.

²Select from General Studies Elective Section

³If eight quarter hour Math sequence is selected, three hours listed for Spring may be electives.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSB (Social Studies).

Recommended Program
INTERIOR DESIGN
 School of Home Economics

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
GSA	Science Electives ¹	-	4	4
GSB	Social Studies ¹	4	4	-
GSC	Humanities Electives ¹	3	3	3
GSD 101, 102	English Composition	3	3	-
GSD 107a, b	Intro. to Basic College Math. ²			
GSD	Foreign Language.) Select One	3-5	3	3
GSE	Physical Education	1	1	1
*Art 100	Basic Studio	-	-	5
		14-16	18	16
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ¹	4	4	-
GSB	Social Studies Electives ¹	-	4	4
GSC	Humanities Electives ¹	3	3	-
GSD 103	Speech	-	-	3
GSE 201	Healthful Living	3	-	-
Acct. 250	Accounting Fundamentals	4	-	-
*AD 110a, b	Architectural Drafting	3	3	-
*AD 121b	Architectural Design	-	-	4
*AD 150	Basic Materials for Construction	-	-	3
C & F 227	Family Living	-	3	-
*C & F 237	Child Development	-	-	3
		17	17	17

*Required by the academic unit.

¹Select from General Studies Elective Sections

²If the eight quarter hour Math sequence is selected, the three hours listed for Spring may be electives.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies).

In addition, GSC 340 (Modern Art: The Art of the 19th Century), GSC 341 (Modern Art: Art of the Early 20th Century) and GSC 342 (Modern Art: Art of the Mid-20th Century) are required.

COLLEGE OF LIBERAL ARTS AND SCIENCES

The diversified offerings of the College of Liberal Arts and Sciences are designed to help the student achieve a balanced personality, an awareness of the cultures of the past, an appreciation of his fellow man, and a fundamental understanding of the ever-changing physical, social, and political environment in which he lives. A student in the college may prepare for teaching at the secondary level by including in his studies certain professional courses offered by the College of Education. The Bachelor of Arts or Bachelor of Science degree is granted to a student who fulfills requirements for graduation from the College of Liberal Arts and Sciences. The courses of study outlined by the departments determines the degree awarded. Administrative offices of the college are in the General Classroom Building; advisement offices are on the second floor of Woody Hall.

ACCREDITATION: North Central Association of Colleges and Secondary Schools, American Chemical Association, and the American Psychological Association.

*DEGREES OFFERED: Bachelor of Arts, Bachelor of Science

African Studies ¹	Foreign Language (Teaching & Non-Teaching)	Mathematics
Anthropology	French	Microbiology
Art History - Aesthetics	German	Music
Asian Studies ¹	Latin	Philosophy
Biological Sciences	Russian	Physics (Option 1 and 2)
Botany	Spanish	Physiology ³
Chemistry	Geography	Psychology
Earth Sciences ¹	Geology	Religious Studies ¹
European and Russian Studies ¹	Government	Social Welfare ²
Economics	Health Science	Sociology
English	Sanitation	Social Work
For Prospective Graduate Study	Public Health Lab.	General
For Teacher Training	History	Speech
For Non-Teaching	Inter-American Studies	Theater
Earth Science	Linguistics ¹	Zoology

*See also the Pre-Professional Section

¹Recommended programs are not listed for these programs because they are available only as a secondary concentration. Consult with the College of Liberal Arts and Sciences for more specific information.

²Recommended programs are not listed because majors just approved. Consult with the department.

³Also consult with the department concerning a Pre-Professional Physical Therapy Program.

GRADUATE PROGRAMS: Advanced degree programs are available in many of the above listed areas as well as a few not listed. For more specific information consult with the College of Liberal Arts and Sciences, the Graduate School Office, or write to Central Publications for a free copy of the Graduate Catalog for the Carbondale Campus.

ORGANIZATIONS: Scholastic and Professional Honoraries: Chemeka (American Chemistry Society), Pi Mu Epsilon (Mathematics), Pi Sigma Alpha (Science, and Soc. of Physics Students). Special Interest: Afro-American History Club, Social Work Club, and numerous others. Departmental: Botany Club, English Club, French Club, Geography Club, Geology Club, Linguistics Club, History Club, Philosophy Club, Psychology Colloquium, SIU Anthropological Society, and the Sociology Club.

TRANSFER STUDENTS: Students should be aware of the college requirement of either two years of mathematics and one year of foreign language or conversely. A few majors are more specific regarding this requirement. Students intending to transfer occupational credit should consult with the department as to the applicability of such credit towards meeting degree requirements. Normally this credit will be counted as L. A. & S. 259 elective credit.

FOR FURTHER INFORMATION:

Chief Academic Advisor	or	Chairman of (State Major)	or	Admissions Office
College of L. A. & S.		College of L. A. & S.		Woody Hall
Ph: (618) 453-3388				Ph: (618) 453-4381

Southern Illinois University at Carbondale
Carbondale, Illinois 62901

Recommended Program

ANTHROPOLOGY

College of Liberal Arts and Sciences

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
GSA	Science Electives ¹	-	4	4
GSB 102a	Introduction to Anthropology	4	-	-
GSB 102b	Geography	-	-	4
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD	Foreign Language	3	3	3
GSE	Physical Education	1	1	1
*Math. 111a, b	College Algebra & Trigonometry	5	5	-
		16	16	18
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ¹	4	4	4
GSB	Social Studies Electives ¹	-	4	4
GSC	Humanities Electives ¹	3	3	3
*GSD	Foreign Language, Intermediate	3	3	3
GSE 201	Healthful Living	3	-	-
Anthro. 300	Physical Anthropology	3	-	-
Anthro. 304	Origins of Civilization	-	3	-
Anthro. 305	Peoples and Cultures of the World	-	-	3
		16	17	17

*Required for this curriculum.

¹Select from General Studies Elective Sections.

²The College of Liberal Arts and Sciences requires either two years of Foreign Language and one year of Math or conversely. Two years of foreign language is required.

Comments: A secondary concentration or minor is required.

Eighteen quarter hours from at least three of the following areas are required: geography, geology, philosophy, psychology, sociology, and zoology.

Students should consult with the Anthropology department for specifics regarding the above requirements.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, six hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Social Studies).

Recommended Program
ART HISTORY - AESTHICS¹

College of Liberal Arts and Sciences

<u>First Year</u>		Fall	Winter	Spring
		<u>Ot.</u>	<u>Ot.</u>	<u>Ot.</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Electives ²	4	-	4
GSC	Humanities Electives ²	-	3	3
GSD 101, 102	English Composition	3	3	-
GSD 107a, b	Intro. to Basic College Math. ³	5	3	-
GSD	Foreign Language ³	3	3	3
GSE	Physical Education	1	1	1
		<u>16</u>	<u>17</u>	<u>15</u>

<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	-	4	4
GSC	Humanities Electives ²	3	-	3
GSD 103	Speech	3	-	-
GSD	Foreign Language ³	3	3	3
GSE 201	Healthful Living	-	-	3
Art 100a	Studio Art - Sculpture. .)			
Art 100b	Studio Art - Crafts . . .)			
Art 100c	Studio Art - Painting . .)Select Three	5	5	5
Art 100d	Studio Art - Graphics . .)			
Art 100e	Studio Art - Drawing. . .)			
		<u>18</u>	<u>16</u>	<u>18</u>

¹This is a liberal arts concentration, not professional. This program also is available under the School of Art within the College of Communications and Fine Arts.

²Select from General Studies Elective Sections.

³Two years of foreign language and one year of mathematics, or conversely, is required. Two years of foreign language is preferred in this program

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSC (Humanities).

Recommended Program
BIOLOGICAL SCIENCES¹⁻²

College of Liberal Arts and Sciences

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSB	Social Studies Electives ³	4	-	4
GSC	Humanities Electives ³	-	-	3
GSD	Foreign Language ⁴	3	3	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	1	-
*Chem. 121a, b	General Chem. & Qualitative Analysis ⁵	-	5	5
Math 111a, b	College Algebra and Trigonometry ⁴	5	5	-
		16	17	18
<u>Second Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
*GSA 201a, b	Introductory Biology ⁶	4	4	-
*GSA 301	Principles of Physiology	-	-	4
GSB	Social Studies Electives ³	4	4	4
GSC	Humanities Electives ³	3	3	-
GSE	Physical Education	-	-	1
GSE 201	Healthful Living	3	-	-
*Bot. 300	Morphology of Non-Vascular Plants	-	-	4
Math. 150a, b	Elem. Calculus & Analytic Geometry ⁴	5	5	-
*Zoo. 102	General Invertebrate Zoology	-	-	5
		19	16	18

*Required by the academic unit.

¹See also the College of Education.

²Students may select either the teaching or non-teaching curriculum in Biological Sciences under Liberal Arts and Sciences.

³Select from General Studies Elective Sections.

⁴Students in the College of Liberal Arts and Sciences are required to complete either two years of Mathematics and one year of Foreign Language. Math courses recommended above substitute for GSD Math.

⁵Substitutes for GSA 101b (Chemistry). Chemistry 121a, b or Chemistry 110a, b are required.

⁶GSA 201a, b or GSA 210a, b are required.

Comments: Students should consult the department for additional science requirements and education requirements if interested in teacher certification.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Social Studies and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program
BOTANY¹
 College of Liberal Arts and Sciences

<u>First Year</u>		Fall <u>Ot.</u>	Winter <u>Ot.</u>	Spring <u>Ot.</u>
*GSA 201a, b	Introductory Biology	-	4	4
GSB	Social Studies Electives ²	4	4	4
GSC	Humanities Electives ²	3	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD	Foreign Language ³	1	1	1
GSE 201	Healthful Living	-	-	3
Math. 111a, b	College Algebra & Trigonometry ³	5	5	-
		16	17	18
<u>Second Year</u>		Fall	Winter	Spring
*GSA 303	Ferns, Trees, & Wild Flowers	-	-	3
GSB	Social Studies Electives ²	4	-	4
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	-	-	3
Bio. 305	Genetics - Classical & Molecular	4	-	-
Bot. 300	Morphology of Non-Vascular Plants	-	4	-
*Chem. 121a, b	Gen. Chem. & Qualitative Analysis ⁴	-	5	5
Math. 150a, b	Elem. Calculus & Analytic Geometry ³	5	5	-
		17	17	18

*Required by the academic unit.

¹The exact courses that should be selected by a student who wishes to prepare for a career in botany or for graduate study will vary somewhat depending on the area of plant science in which he intends to specialize. Students planning to concentrate in botany should consult with the chairman of the department.

²Select from General Studies Elective Sections.

³Students in the College of Liberal Arts and Sciences are required to complete either two years of Math and one year of Foreign Language or conversely. The Math listed is recommended and substitutes for GSD Math.

⁴Substitutes for GSA 101b.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which includes two quarter hours of Social Studies and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSA (Science).

Recommended Program
CHEMISTRY¹
College of Liberal Arts and Sciences

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSB	Social Studies Electives ³	4	-	-
GSC	Humanities Electives ³	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD 126a, b	Elementary German ⁴⁻⁵	3	3	3
GSE	Physical Education	1	1	1
*Chem. 121a, b	General Chem. & Qualitative Analysis ⁶	-	5	5
*Math. 111a, b	College Algebra and Trigonometry ⁵	5	5	-
		<u>16</u>	<u>17</u>	<u>15</u>
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ³⁻⁷	4	-	-
GSB	Social Studies Electives ³	4	4	4
GSC	Humanities Electives	3	3	3
GSE 201	Healthful Living	-	-	3
*Math. 150a, b	Elem. Calculus and Analytic Geometry ⁵	5	5	-
Chem. 235	General Quantitative Analysis ⁶	-	-	5
Chem. 341	Organic Chemistry ⁶	-	4	-
		<u>16</u>	<u>16</u>	<u>15</u>

*Required by the academic unit.

¹This curriculum provides a background for either a program designed for the professional chemist with certification by the American Chemical Society (A.C.S.) or a program for students who plan to enter other professional areas; e.g. medicine, dentistry, etc.

²See also the College of Education.

³Select from General Studies Elective Sections.

⁴German required for A.C.S. Certification and recommended for other areas of chemistry.

⁵The College of Liberal Arts & Sciences requires either two years of Math and one year of Foreign Language or conversely. Courses as listed, though, are required.

⁶Substitues for GSA Chemistry.

⁷A course in the biological science area is recommended and needed to fulfill GSA requirements.

Comments: Students are required to have a "C" or 3.00 G.P.A. in Chemistry courses at the start of the second year and a 3.25 G.P.A. in Chemistry courses, and/or consent of the chairman, before starting the third and fourth years.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program
ECONOMICS¹
 College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	4
GSC	Humanities Electives ²	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD 110	Economic and Business Statistics ³	-	-	3
GSE	Physical Education	1	1	1
Math. 111a, b	College Algebra & Trigonometry	5	5	-
		<u>17</u>	<u>17</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	4
GSC	Humanities Electives ²	3	3	3
*GSD	Foreign Language ³	3	3	3
GSE	Healthful Living	3	-	-
Econ. 214, 215	Economics, Macro & Micro ⁴	4	4	-
Math. 150	Elem. Calculus & Analytic Geometry ³	-	-	5
Elect.	Secondary Concentration ⁵	3	3	3
		<u>20</u>	<u>17</u>	<u>18</u>

*Required by the academic unit.

¹This curriculum is not a professional concentration. See also the School of Business.

²Select from General Studies Elective Sections.

³College of Liberal Arts and Sciences requires either two years of Math and one year of foreign language or conversely. Two years of Math is highly recommended.

⁴Substitute for GSB 211a.

⁵A secondary concentration (minor) is required. Suggested areas include anthropology, geography, government, history, math, philosophy, psychology, or sociology.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Sciences, two hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area BSB (Social Studies).

Recommended Program
ENGLISH
 (Option 3 - For Prospective Graduate Students)¹
 College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	4	4	4
GSB	Social Studies Electives ²	-	4	4
GSC 100	Music Understanding)	3	-	-
GSC 101	Art Appreciation. .)		-	-
GSC 102	Philosophy (Ethics)	-	3	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD	Foreign Language ³	3	3	3
GSE	Physical Education	1	1	1
		14	18	18
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Electives ²	4	4	4
*GSC 201	Introduction to Drama	3	-	-
*GSC 202	Introduction to Poetry	-	3	-
*GSC 210	Introduction to Fiction	-	-	3
*GSD	Foreign Language ³	3	3	3
GSD 107a, b	Basic College Math. ³	5	3	-
GSE 201	Healthful Living	3	-	-
Eng.	Elective	-	-	4
		18	17	18

*Required by the academic unit.

¹Options not listed include option four for those interested in a special area concentration and option five for those interested in an honors program. Consult the department chairman for requirements. See also the College of Education.

²Select from General Studies Elective Sections

³Two years of Foreign language and one year of Math or conversely are required by the College of Liberal Arts and Sciences. Courses as listed are required for this program.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Social Studies, and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program
ENGLISH
Option 1 (Teacher Training)¹
College of Liberal Arts and Sciences

<u>First Year</u>		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	4	4	4
GSB	Social Studies Elective ²	-	-	4
GSC 100	Music Understanding)			
GSC 101	Art Appreciation. .) Select One	3	-	-
GSC 102	Philosophy (Ethics)	-	3	-
GSC 103	World Literature for Composition ³	-	-	3
GSD 101, 102	English Composition ³	3	3	-
GSD 103	Speech	-	-	3
*GSD 107a, b	Basic College Math ⁴	5	3	-
*GSD	Foreign Language ⁴	3	3	3
GSE	Physical Education	-	1	1
		<u>18</u>	<u>17</u>	<u>18</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB 201b	Introduction to Sociology	4	-	-
GSB 201c	Introduction to Psychology	-	4	-
*GSB 211b	American Government ⁵	-	4	-
*GSC 201	Introduction to Drama	3	-	-
*GSC 202	Introduction to Poetry	-	3	-
*GSC 210	Introduction to Fiction	-	-	3
*GSD	Foreign Language ⁴	3	3	3
GSE	Physical Education	-	-	1
GSE 201	Healthful Living	3	-	-
*Guid. 305	Educational Psychology	-	-	4
*Sec. Ed. 310	History & Principles of Secondary Ed.	-	-	4
		<u>17</u>	<u>18</u>	<u>15</u>

*Required by the academic unit.

¹See also the College of Education.

²Select from General Studies Elective Sections.

³A "C" average is required in GSD 101, 102 and GSC 103, or their approved equivalent.

⁴The College of Liberal Arts and Science requires either two years of Foreign Language and one year of Math or conversely. This program requires the two years of Foreign Language and one year of Math.

⁵A course in American Government or American History is required for teacher certification.

Comments: Students interested in this program should consult the department chairman.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, two hours of Social Studies, and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program
ENGLISH
 (Option 2 - Non-Teaching)¹

College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	4	4	4
GSB	Social Studies Electives ²	-	4	4
GSC 100	Music Understanding)	3	-	-
GSC 101	Art Appreciation. .) Select One	-	3	-
GSC 102	Philosophy (Ethics)	-	-	3
GSC 103	World Literature for Composition	3	3	-
GSD 101, 102	English Composition	-	-	3
GSD 103	Speech	3	3	3
*GSD	Foreign Language ³	1	1	1
GSE	Physical Education	14	18	18
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Electives ²	4	4	4
*GSC 201	Introduction to Drama	3	-	-
*GSC 202	Introduction to Poetry	-	3	-
*GSC 210	Introduction to Fiction	-	-	3
*GSD	Foreign Language ³	3	3	3
GSD 107a, b	Basic College Math. ³	5	3	-
GSE 201	Healthful Living	3	-	-
Eng. 302a	Survey of English Literature	-	-	4
		18	17	18

*Required by the academic unit.

¹Options not listed include option four for those interested in a special area of concentration and option five for those interested in an honors program. Consult the department chairman for requirements. See also the College of Education.

²Select from General Studies Elective Sections

³Two years of Foreign language and one year of Math or conversely are required by the College of Liberal Arts and Sciences. Courses as listed are required for this program.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, two hours of Social Studies, and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program

FOREIGN LANGUAGE (French - Teaching)¹

College of Liberal Arts and Sciences

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	-
GSC	Humanities Electives ²	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD 123a, b, c	Elementary French ³	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
Fr. 123a, b, c	French Conversation	1	1	1
		16	16	17
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	4	-
*GSB 201c	Introduction to Psychology	-	4	-
*GSB 211b	American Government ⁴	-	-	4
GSC	Humanities Electives ²	3	-	3
*GSD 107a, b	Basic College Math ³	5	3	-
Fr. 201a, b, c	Intermediate French ³	3	3	3
Fr. 220a, b, c	Intermediate French Conversation	2	2	2
*Guid. 305	Educational Psychology	-	-	4
		17	16	16

*Required by the academic unit.

¹See also the College of Education. Other languages available that are not listed in this text are: Chinese, Portuguese, Greek, and Italian. Consult the Department of Foreign Language for requirements.

²Select from General Studies Elective Sections.

³The College of Liberal Arts and Sciences requires either two years of foreign language and one year of math or conversely. Courses as listed are required for this program.

⁴A course in American Government or American History is required for Teacher Certification.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program
FOREIGN LANGUAGE
(French - Non-Teaching)¹

College of Liberal Arts and Sciences

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	-
GSC	Humanities Electives ²	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD 123a, b, c	Elementary French ³	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
Fr. 123a, b, c	French Conversation	1	1	1
		<u>16</u>	<u>16</u>	<u>17</u>
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	-	4	4
GSC	Humanities Electives ²	3	-	3
*GSD 107a, b	Basic College Math ³	5	3	-
Fr. 201a, b, c	Intermediate French ³	3	3	3
Fr. 220a, b, c	Intermediate French Conversation	2	2	2
Elect.	Secondary Concentration ⁴	-	-	4
		<u>17</u>	<u>16</u>	<u>16</u>

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*Required by the academic unit.

¹See also the College of Education. Other languages available that are not listed in this text are: Chinese, Portuguese, Greek, and Italian. Consult the Department of Foreign Language for requirements.

²Select from General Studies Elective Sections.

³The College of Liberal Arts and Sciences requires either two years of foreign language and one year of Math or conversely. Courses as listed are required for this program.

⁴The required secondary concentration (minor) may be in any field which supports the students projected career. Recommended fields are another foreign language, English, linguistics, philosophy, European and Russian Studies, or History.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program

FOREIGN LANGUAGE (German - Teaching)¹

College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	-
GSC	Humanities Elective ²	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD 126a,b,c	Elementary German ³	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
Ger 126a,b,c	German Conversation	1	1	1
		<u>16</u>	<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
*GSB 201c	Introduction to Psychology ⁴	-	4	-
*GSB 211b	American Government	-	-	4
GSC	Humanities Electives ²	3	-	3
*GSD 107a,b	Basic College Math ³	5	3	-
Ger 201a,b,c	Intermediate German ³	3	3	3
Ger 220a,b,c	Intermediate German Conversation	2	2	2
*Guid 305	Educational Psychology	-	-	4
		<u>17</u>	<u>16</u>	<u>16</u>

*Required by the academic unit.

¹See also the College of Education. Other languages available that are not listed in this text are: Chinese, Portuguese, Greek, and Italian. Consult the Department of Foreign Language for requirements.

²Select from General Studies Elective Sections.

³The College of Liberal Arts and Sciences requires either two years of foreign language and one year of Math or conversely. Courses as listed are required for this program.

⁴A course in American Government or American History is required for Teacher Certification.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which includes six quarter hours of Science, six hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program
FOREIGN LANGUAGE
 (German: Non-Teaching)¹

College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	-
GSC	Humanities Electives ²	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD 126a, b, c	Elementary German ³	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
Ger 126a, b, c	German Conversation	1	1	1
		<u>16</u>	<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	-	4	4
GSC	Humanities Electives ²	3	-	3
*GSD 107a, b	Basic College Math ³	5	3	-
Ger 201a, b, c	Intermediate German ³	3	3	3
Ger 220a, b, c	Intermediate German Conversation	2	2	2
Elect.	Secondary Concentration ⁴	-	-	4
		<u>17</u>	<u>16</u>	<u>16</u>

*Required by the academic unit.

¹See also the College of Education. Other languages available that are not listed in this text are: Chinese, Portuguese, Greek, and Italian. Consult the Department of Foreign Language for requirements.

²Select from General Studies Elective Sections.

³The College of Liberal Arts and Science requires either two years of foreign language and one year of Math or conversely. Courses as listed are required for this program.

⁴The required secondary concentration (Minor) may be in any field which supports the students projected career. Recommended fields are another language, English, linguistics, philosophy, European and Russian Studies, or history.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program

FOREIGN LANGUAGE (Latin - Teaching)¹

College of Liberal Arts and Sciences

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	-
GSC	Humanities Electives ²	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD 133a, b	Elementary Latin ³	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
		<u>15</u>	<u>15</u>	<u>16</u>
<u>Second Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB 201c	Introduction to Psychology	-	4	-
*GSB 211b	American Government ⁴	-	4	4
GSC	Humanities Electives ²	3	3	3
*GSD 107a, b	Basic College Math ³	5	3	-
Latin 201a, b, c	Intermediate Latin ³	4	4	4
*Guid 305	Educational Psychology	-	-	4
		<u>16</u>	<u>18</u>	<u>15</u>

*Required by the academic unit.

¹See also the College of Education. Other languages available that are not listed in this text are: Chinese, Portuguese, Greek, and Italian. Consult the Department of Foreign Language for requirements.

²Select from General Studies Elective Sections.

³The College of Liberal Arts and Sciences requires either two years of Foreign Language and one year of Math or conversely. Courses as listed are required for this program.

⁴A course in American Government or American History is required for Teacher Certification.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program
FOREIGN LANGUAGE
(Latin: Non-Teaching)¹
College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	-
GSC	Humanities Electives ²	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD 133a, b	Elementary Latin ³	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
		<u>15</u>	<u>15</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	-	4	4
GSC	Humanities Electives ²	3	-	3
*GSD 107a, b	Basic College Math ³	5	3	-
Latin 201a, b, c	Intermediate Latin ³	4	4	4
Elect.	Secondary Concentration ⁴	-	3	4
		<u>16</u>	<u>18</u>	<u>15</u>

*Required by the academic unit.

¹See also the College of Education. Other languages available that are not listed in this text are: Chinese, Portuguese, Greek, and Italian. Consult the Department of Foreign Language for requirements.

²Select from General Studies Elective Sections.

³The College of Liberal Arts and Sciences requires either two years of Foreign Language and one year of Math or conversely. Courses as listed are required for this program.

⁴The required secondary concentration (minor) may be in any field which supports the students projected career. Recommended fields are another language, English, linguistics, philosophy, European and Russian Studies, or History.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program

FOREIGN LANGUAGE (Russian - Teaching)¹

College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	-
GSC	Humanities Elective ²	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD 136a,b,c	Elementary Russian ³	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
Russ 136a,b,c	Russian Conversation	<u>1</u>	<u>1</u>	<u>1</u>
		16	16	17
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB 201c	Introduction to Psychology	-	4	-
*GSB 211b	American Government ⁴	-	-	4
*GSC	Humanities Electives	3	-	3
*GSD 107a,b	Basic College Math ³	5	3	-
Russ 201a,b,c	Intermediate Russian ³	3	3	3
Russ 220a,b,c	Intermediate Russian Conversation	2	2	2
*Guid 305	Educational Psychology	<u>-</u>	<u>-</u>	<u>4</u>
		17	16	16

*Required by the academic unit.

¹See also the College of Education. Other languages available that are not listed in this text are: Chinese, Portuguese, Greek, and Italian. Consult the Department of Foreign Language for requirements.

²Select from General Studies Elective Sections.

³The College of Liberal Arts and Sciences requires either two years of foreign language and one year of Math or conversely. Courses as listed are required for this program.

⁴A course in American Government or American History is required for Teacher Certification.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which includes six quarter hours of Science, six hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program

FOREIGN LANGUAGE (Russian - Non-Teaching)¹

College of Liberal Arts and Sciences

		Fall	Winter	Spring
<u>First Year</u>		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	-
GSC	Humanities Elective ²	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD 136a,b,c	Elementary Russian ³	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
Russ 136a,b,c	Russian Conversation	1	1	1
		16	16	17
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	-	4	4
GSC	Humanities Electives ²	3	-	3
*GSD 107a,b	Basic College Math ³	5	3	-
Russ 201a,b,c	Intermediate Russian ³	3	3	3
Russ 220a,b,c	Intermediate Russian Conversation	2	2	2
Elect.	Secondary Concentration ⁴	-	-	4
		17	16	16

*Required by the academic unit.

¹See also the College of Education. Other languages available that are not listed in this text are: Chinese, Portuguese, Greek, and Italian. Consult the Department of Foreign Language for requirements.

²Select from General Studies Elective Sections.

³The College of Liberal Arts and Sciences requires either two years of foreign language and one year of Math or conversely. Courses as listed are required for this program.

⁴The required secondary concentration (minor) may be in any field which supports the student's projected career. Recommended fields are another language, English, linguistics, philosophy, European and Russian Studies, or history.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program

FOREIGN LANGUAGE (Spanish - Teaching)¹

College of Liberal Arts and Sciences

		Fall	Winter	Spring
<u>First Year</u>		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	-
GSC	Humanities Elective ²	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD 140a,b,c	Elementary Spanish ³	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
Span 140a,b,c	Spanish Conversation	1	1	1
		<u>16</u>	<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
*GSB 201c	Introduction to Psychology	-	4	-
*GSB 211b	American Government ⁴	-	-	4
GSC	Humanities Electives ²	3	-	3
*GSD 107a,b	Basic College Math ³	5	3	-
Span 201a,b,c	Intermediate Spanish ³	3	3	3
Span 220a,b,c	Intermediate Spanish Conversation	2	2	2
*Guid 305	Educational Psychology	-	-	4
		<u>17</u>	<u>16</u>	<u>16</u>

*Required by the academic unit.

¹See also the College of Education. Other languages available that are not listed in this text are: Chinese, Portuguese, Greek, and Italian. Consult the Department of Foreign Language for requirements.

²Select from General Studies Elective Sections.

³The College of Liberal Arts and Sciences requires either two years of foreign language and one year of Math or conversely. Courses as listed are required for this program.

⁴A course in American Government or American History is required for Teacher Certification.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which includes six quarter hours of Science, six hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program

FOREIGN LANGUAGE
(Spanish - Non-Teaching)¹

College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	-
GSC	Humanities Elective ²	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD 140a,b,c	Elementary Spanish ³	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
Span 140a,b,c	Spanish Conversation	1	1	1
		<u>16</u>	<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	-	4	4
GSC	Humanities Electives ²	3	-	3
*GSD 107a,b	Basic College Math ³	5	3	-
Span 201a,b,c	Intermediate Spanish ³	3	3	3
Span 220a,b,c	Intermediate Spanish Conversation	2	2	2
Elect.	Secondary Concentration ⁴	-	-	4
		<u>17</u>	<u>16</u>	<u>16</u>

*Required by the academic unit.

¹See also the College of Education. Other languages available that are not listed in this text are: Chinese, Portuguese, Greek, and Italian. Consult the Department of Foreign Language for requirements.

²Select from General Studies Elective Sections.

³The College of Liberal Arts and Sciences requires either two years of foreign language and one year of Math or conversely. Courses as listed are required for this program.

⁴The required secondary concentration (minor) may be in any field which supports the student's projected career. Recommended fields are another language, English, linguistics, philosophy, European and Russian Studies, or history.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program
GEOGRAPHY¹
 College of Liberal Arts and Sciences

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
GSA 110a, b	Earth Science	-	4	4
GSB 102a	Anthropology	4	-	-
GSB 102b	Geography	-	-	4
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD	Foreign Language ²	3	3	3
GSE	Physical Education	1	1	1
*Math 111a, b	College Algebra and Trigonometry ²	5	5	-
		16	16	18
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ³	4	4	-
*GSA 331	Climate	-	-	3
GSB 211a	Economics	4	-	-
GSB 211b	American Government	-	4	-
GSC	Humanities Elective ³	3	-	-
GSC 205	Design	-	-	4
GSC 207	Philosophy	3	-	-
*GSD	Foreign Language, Intermediate..)	3-5	3-5	3
*Math 150a, b	Elem. Calculus & Analytical Geom)			
GSE 201	Healthful Living	-	-	3
Geog. 300	Introduction to Geography	-	4	-
Geog. 302	Physical Geography	-	-	4
		17-19	15-17	17

*Required by the academic unit

¹This curriculum leads either to a Bachelor of Science or Bachelor of Arts Degree. The B. S. program provides comprehensive training in systematic geography and mathematics for preparation for demands of private organizations seeking geographers. The B. A. program provides specialization in a foreign area for preparation for civil service appointment as a geographer. See also the College of Education.

²The College of Liberal Arts and Sciences requires either two years of math and one year of foreign language or conversely. Students seeking the B. S. are required to complete two years of math and one of language. Students seeking the B. A. are required to complete two years of foreign language and one of math. Students taking the ten hours of math the second year may use the three hours listed for Spring as electives. Math 111a, b substitutes for GSD Math.

³Select from General Studies elective sections.

Comments: Each student should develop his own program of study in council with the Department of Geography.

Students unable to take the professional courses listed above should attempt completing their remaining General Studies requirements which include three quarter hours of Science, six hours of Social Studies, and nine hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Social Studies).

Recommended Program

GEOLOGY¹

College of Liberal Arts and Sciences

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSB	Social Studies Electives ²	4	-	-
GSC	Humanities Electives ²	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	1	1
*Math. 111a, b	College Algebra & Trigonometry ³	5	5	-
*Chem. 121a, b	General Chem. & Qualitative Analysis ⁴	-	5	5
		<u>16</u>	<u>17</u>	<u>15</u>
<u>Second Year</u>		Fall	Winter	Spring
GSB	Social Studies Electives ²	4	4	4
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	-	-	3
*Math. 150a, b	Elem. Calculus & Analytic Geometry ³	5	5	-
*Phys. 306a	College Physics ⁴	-	-	3
*Phys. 207a	College Physics Laboratory ⁴	-	-	1
Geo. 220	Physical Geology	3	-	-
Geo. 221	Historical Geology	-	3	-
Elect.	Electives ⁵	<u>3</u>	<u>3</u>	<u>3</u>
		18	18	17

*Required for this curriculum.

¹Students may design a program leading toward the Bachelor of Science or Bachelor of Arts degree. The B.S. degree requires a concentration in geology and courses in Chemistry, math, and physics. The B.A. requires a concentration in geology and a secondary concentration (minor).

²Select from General Studies Elective Sections.

³The College of Liberal Arts and Sciences requires either two years of Mathematics and one year of Foreign Language or conversely. The two years of Math is required in this program. Math 111a, b substitutes for GSD Math.

⁴These substitute for GSA 101a, b.

⁵Students should consult with a departmental representative to determine additional major requirements or an approved minor concentration.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include eight quarter hours of Science, two hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program
GOVERNMENT¹
College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA	Science Electives ²	4	4	-
GSB 100a,b	Western Civilization - History	4	4	-
GSB 201b	Intro to Sociology	-	-	4
GSC 100	Music Understanding)	3	-	-
GSC 101	Art Appreciation . .)			
Select one				
GSC 102	Philosophy (Ethics)	-	3	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD	Foreign Language ³	3	3	3
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
		<u>18</u>	<u>18</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	3
GSB 201c	Intro to Psychology	-	4	-
GSB 211a	Introduction to Economics	-	4	-
*GSB 211b	American Government)	-	-	4
*Gov't. 231	American National Government)			
Select one				
GSC	Humanities Electives ²	3	-	3
*GSD 107a,b	Basic College Math ³	5	3	-
*GSD	Foreign Language ³	3	3	3
Gov't. 232	State and Local Government	-	-	4
		<u>15</u>	<u>16</u>	<u>17</u>

*Required by the academic unit.

¹See also the College of Education.

²Select from General Studies elective section.

³The College of Liberal Arts and Sciences requires either two years of foreign language and one year of math or conversely. Students planning on graduate work are recommended completing two years of language and a higher level of math.

Comments: There is considerable variation in the requirements for a Government major, depending upon the interest of the student. Prospective majors should consult with the department at the time of registration.

Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include three quarter hours of Science and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSB (Social Studies).

Recommended Program

HEALTH SCIENCE (Sanitation Specialization) (Public Health Laboratory)

College of Liberal Arts and Sciences

<u>First Year</u>		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA 101a, *b	Introduction to Physical Science	-	4	4
*GSB 102a	Anthropology	4	-	-
*GSB 102b	Geography	-	4	-
GSC	Humanities Electives ¹	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD	Physical Education	1	1	1
*GSD 107	Basic College Math ²	5	3	-
*GSD 110	Business & Economic Statistics ²	-	-	3
*GSD	Foreign Language ²	3	3	3
		<u>16</u>	<u>18</u>	<u>17</u>
<u>Second Year</u>		Fall	Winter	Spring
*GSA 201a, b	Introductory Biology	4	4	-
*GSB 201b	Introduction to Sociology	4	-	-
*GSB 201c	Introduction to Psychology	-	4	-
GSC	Humanities Electives ¹	3	3	3
*GSD	Foreign Language ²			
*Math	Mathematics. . .) Select One	3-5	3-5	3
GSE	Healthful Living	-	-	3
*Govt 231	American National Government ³	-	-	4
*H. Ed. 300	Communicable Disease	3	-	-
*Micro 301	Principles of Microbiology	-	-	5
		<u>17-19</u>	<u>14-16</u>	<u>18</u>

*Required for this curriculum

¹Select from General Studies Elective Sections

²The College of Liberal Arts and Sciences requires either two years of Mathematics and one year of foreign language or conversely.

³Substitutes for GSB 211b.

Comments: Students unable to take the professional courses listed above should attempt completing their remaining General Studies requirements which include six quarter hours of Science, two hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program

HISTORY¹

College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA	Science Electives ²	4	4	4
*GSB 100a,b	Western Civilization - History	-	4	4
GSC	Humanities Electives ²	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD	Foreign Language ³	3	3	3
*GSD 107a,b	Basic College Mathematics ³	3-5	3	
GSE	Physical Education	<u>1</u>	<u>1</u>	<u>1</u>
		14-16	18	18
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
*GSB 300a,b	History of the United States	3	3	3
GSC	Humanities Electives ²	3	3	3
*GSD	Foreign Language ³	3	3	3
GSE 201	Healthful Living	-	-	3
Elect.	History Electives ⁴	<u>4</u>	<u>4</u>	<u>4</u>
		17	17	16

*Required by the academic unit.

¹See also the College of Education.

²Select from General Studies Elective Sections.

³The College of Liberal Arts and Sciences requires either two years of Foreign Language and one year of Math or conversely. History majors must take the two years of Foreign Language. Math 111a,b (College Algebra & Trigonometry) will substitute for GSD Math.

⁴See Undergraduate Catalog or consult with the Department of History.

Comments: No secondary concentration (minor) is required, though eighteen to twenty-four hours should be taken in related fields approved by the department.

When possible, transfer students should consult with the department prior to their first quarter of attendance.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, five hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Social Studies).

Recommended Program
INTER-AMERICAN STUDIES¹
 College of Liberal Arts and Sciences

<u>First Year</u>		Fall Qt.	Winter Qt.	Spring Qt.
GSA	Science Elective ²	-	4	4
GSB	Social Studies Electives ²	4	-	4
GSC	Humanities Electives ²	-	3	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD 107	Basic College Mathematics ³	5	3	-
*GSD 140	Elementary Spanish ³	3	3	3
GSE	Physical Education	1	1	1
		16	17	18
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	4	-
*GSB 303	International Relations	-	4	-
*GSB 392	Intro. to Latin American Govt. & Politics	-	-	3
GSC	Humanities Electives ²	3	3	3
*GSD 135	Elementary Portuguese ³	3	3	3
GSE 201	Healthful Living	-	-	3
*Hist 352a, b, c	History of Latin American	3	-	3
*Span. 201	Intermediate Spanish ³	3	3	3
		16	17	18

*Required for this curriculum

¹This program was initiated in 1958 to meet the ever increasing demand for personnel qualified to deal with questions related to Mexico, and countries in Central America, the Carribean, and South America. The program is geared to give individuals a knowledge of the problems and potentialities of the area, plus the necessary language skills.

²Select from General Studies Elective Sections.

³The College of Liberal Arts and Sciences requires either two years of Foreign Language and one year of Mathematics or conversely. In this program, though, it is required to have both Portuguese and Spanish along with advanced Spanish sequences.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include six quarter hours of Science, seven hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program

MATHEMATICS¹

College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSA 101a,b	Introduction to Physical Science	-	4	4
GSB	Social Studies Electives ²	4	-	4
GSC	Humanities Electives ²	3	3	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD	Foreign Language ³	3	3	3
Math 111a,b	College Algebra & Trigonometry ⁴	5	5	-
		18	18	17
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Elective ²	-	-	4
GSC	Humanities Electives ²	3	3	-
GSE	Physical Education	1	1	1
GSE 201	Healthful Living	-	-	3
Math 150a,b	Elementary Calculus & Analytic Geometry ⁴	5	5	-
Math 252a	Intermediate Calculus & Analytic Geometry ⁴	-	-	5
*Phys 211a,b,c	University Physics	5	5	5
		18	18	18

*Required by the academic unit.

¹See also the College of Education.

²Select from General Studies Elective Sections.

³French, German, or Russian recommended.

⁴Proficiency exams can be taken in any or all of these courses. Math 111a,b substitutes for GSD Math.

Comments: The College of Liberal Arts and Sciences requires either two years of Math and one year of Foreign Language or conversely.

Students must earn a grade of "C" or higher in courses numbered 150 or above in Mathematics.

Students should consult with the department regarding options available for the required secondary concentration.

Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include ten quarter hours of Social Studies and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program

MICROBIOLOGY

College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSE	Social Studies Electives ¹	4	-	-
GSC 100	Music Understanding)	-	-	3
GSC 101	Art Appreciation. .) Select One	-	-	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD	Foreign Language ²	3	3	3
GSE	Physical Education	1	1	1
*Math. 111a, b	College Algebra & Trigonometry ²	5	5	-
*Chem. 121a, b	General Chem. & Qualitative Analysis ³	-	5	5
		<u>16</u>	<u>17</u>	<u>18</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSE	Social Studies Electives ¹	4	-	4
GSC	Humanities Elective ¹	-	3	-
*GSD	Foreign Lang., Intermediate. .) ²	-	-	-
*Math. 150a, b	Elem. Calculus & Analytic Geom.) Select One	3-5	3-5	3
*Phys. 206a, b, c	College Physics ³	3	3	3
*Phys. 207a, b, c	College Physics Laboratory ³	1	1	1
*Bio. 307	Environmental Biology	4	-	-
Micro. 301	Principles of Microbiology	-	5	-
Micro. 302	General Microbiology	-	-	5
		<u>15-17</u>	<u>15-17</u>	<u>16</u>

*Required for this curriculum.

¹Select from General Studies Elective Sections.

²The College of Liberal Arts and Sciences requires either two years of Mathematics and one year of Foreign Language or conversely. French, German, or Russian is recommended as the language. Math 111a, b substitutes for GSD Math.

³These are recommended substitutions for GSA 101a, b.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include twelve quarter hours of Social Studies and thirteen hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program

MUSIC¹

College of Liberal Arts and Sciences

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA	Science Electives ²	-	-	4
GSB	Social Studies Electives ²	-	-	4
GSC	Humanities Electives ²	-	3	-
GSD 101, 102	English Composition	3	3	-
GSD 107a, b	Intro. to Basic College Math. ³	5	3	-
GSD	Foreign Language ³	3	3	3
GSE	Physical Education	1	1	1
Mus. 105a, b, c	Theory of Music-Fundamentals	4	4	4
		<u>16</u>	<u>17</u>	<u>16</u>
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	4	4
GSB	Social Studies Electives ²	4	4	4
GSC	Humanities Electives ²	-	3	-
GSD 103	Speech	3	-	-
GSE 201	Healthful Living	-	-	3
Mus. 140	Private Applied Music	2	2	2
Mus. 205a, b, c	Theory of Music-Advanced	3	3	3
		<u>16</u>	<u>16</u>	<u>16</u>

¹For students who wish to specialize in music as part of their general cultural education. This curriculum may be taken as background training by those who plan to pursue advanced studies in such fields as music criticism and aesthetics.

²Select from General Studies Elective Sections.

³Students in the College of Liberal Arts and Sciences are required to take two years of a Foreign Language and one year of Mathematics or vice-versa.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and six hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Humanities).

Recommended Program

PHILOSOPHY

College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ¹	-	4	4
GSB	Social Studies Electives ¹	4	-	4
GSC 100	Music Understanding)	3	-	-
GSC 101	Art Appreciation. .) Select One			
GSC 102	Philosophy (Ethics)	-	3	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD 107a, b	Basic College Math. ²	5	3	-
*GSD	Foreign Language ²	3	3	3
GSE	Physical Education	1	1	1
		19	17	18
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ¹	4	4	4
GSB	Social Studies Electives ¹	4	4	4
GSC 208	Philosophy (Logic)	3	-	-
*GSC 381	Greek Philosophy	3	-	-
*GSC 382	Graeco-Roman & Medieval Philosophy	-	3	-
*GSC 383	Early Modern Philosophy	-	-	3
*GSD	Foreign Language, Intermediate ²	3	3	3
GSE 201	Healthful Living	-	3	-
		17	17	14

*Required for this curriculum

¹Select from General Studies Elective Sections.

²The College of Liberal Arts and Sciences requires either two years of Foreign Language and one year of Mathematics or conversely. Only majors emphasizing logic should take two years of Math and one year of foreign language.

Comments: Students in this program should consult with the department regarding Philosophy electives and an approved secondary concentration (minor).

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, two hours of Social Studies, and one hours of Humanities.

Recommended Program

PHYSICS¹ (Plan One)

College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSB	Social Studies Elective ²	4	-	-
GSC	Humanities Elective ²	-	-	3
GSD 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD	Foreign Language ³	3	3	3
GSE	Physical Education	1	1	1
*Chem 121a,b	General Chemistry & Qualitative Analysis ⁴⁻⁵	-	5	5
*Math 111a,b	College Algebra & Trigonometry ³	5	5	-
		16	17	18
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²⁻⁶	4	-	-
GSB	Social Studies Electives ²	-	4	4
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	-	-	3
*Math 150a,b	Elementary Calculus & Analytic Geometry ³	5	5	-
Phys 211a,b,c	University Physics ⁵	5	5	5
Phys 212a,b,c	University Physics Laboratory	1	1	1
		18	18	16

*Required for this curriculum.

¹See also Plan Two and the College of Education.

²Select from General Studies Elective Sections.

³The College of Liberal Arts and Sciences requires either two years of Math and one year of Foreign Language or conversely. French, German, or Russian is recommended. Math 111a,b substitutes for the GSD Math.

⁴For students without a year of high school Chemistry.

⁵Substitutes for GSA requirements.

⁶All students must have a science course from the Biological area.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include ten quarter hours of Social Studies and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Students interested in this program should contact the Physics Department as early as possible.

Recommended Program

PHYSICS¹ (Plan Two)

College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSB	Social Studies Elective ²	-	4	-
GSC	Humanities Electives ²	-	3	3
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD	Foreign Language ³	3	3	3
GSE	Physical Education	1	1	1
*Math 111b	College Algebra & Trigonometry ³	5	-	-
Phys 111a,b,c	College Physics ⁴⁻⁵	3	3	3
Phys 112a,b,c	College Physics Laboratory ⁴	<u>1</u>	<u>1</u>	<u>1</u>
		16	18	17
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Elective ²⁻⁶	-	-	4
GSB	Social Studies Electives ²	-	4	4
GSC	Humanities Electives ²	3	-	3
GSE 201	Healthful Living	-	-	3
*Math 150a,b	Elementary Calculus & Analytic Geometry ³	5	5	-
Phys 300	University Physics IV	4	-	-
Phys 309	Electric Circuits	-	3	-
Phys 312	Electric Circuits Laboratory	-	-	2
*Chem 121a,b	General Chemistry & Qualitative Analysis ⁵⁻⁷	<u>5</u>	<u>5</u>	<u>-</u>
		17	17	16

*Required for this curriculum.

¹See also the College of Education.

²Select from General Studies Elective Sections.

³The College of Liberal Arts and Sciences requires either two years of Math and one year of Foreign Language or conversely. French, German, or Russian is recommended. Math 111a,b substitutes for the GSD Math.

⁴For freshmen who are entering in the fall term and are qualified for Math 111b.

⁵Substitutes for GSA courses.

⁶All students must have a science course from the Biological area.

⁷For students without a year of high school Chemistry.

Comments: A Physics major should contact the department as soon as possible.

Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include ten quarter hours of Social Studies and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

Recommended Program
PHYSIOLOGY
 College of Liberal Arts and Sciences

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA	Science Electives ¹	-	4	4
GSB	Social Studies Electives ¹	4	-	4
GSC	Humanities Electives ¹	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD	Foreign Language ²	3	3	3
GSE	Physical Education	1	1	1
*Math 111a, b	College Algebra & Trigonometry ²	5	5	-
		<u>16</u>	<u>16</u>	<u>18</u>
<u>Second Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA	Science Electives ¹	4	4	4
GSB	Social Studies Electives ¹	4	-	4
GSC	Humanities Electives ¹	3	3	3
GSE 201	Healthful Living	-	-	3
*Math. 150a, b	Elem. Calculus & Analytic Geometry ²	5	5	-
Elect.	Physiology ³	-	4	4
		<u>16</u>	<u>16</u>	<u>18</u>

*Required for this curriculum.

¹Select from General Studies Elective Sections.

²French, German or Russian is recommended. The College of Liberal Arts and Sciences requires either two years of Mathematics and one year of Foreign Language or conversely. Math 111a, b substitutes for GSD Math.

³Consult with a department representative to determine recommended and required courses in this area.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, six hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Social Studies).

Students interested in physical therapy should consult with the department Chairman on requirements.

Recommended Program

PSYCHOLOGY¹

College of Liberal Arts and Sciences

<u>First Year</u>		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Electives ²	4	-	4
GSC	Humanities Electives ²	-	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD	Foreign Language ³	3	3	3
GSE	Physical Education	1	1	1
*Math 111a, b	College Algebra & Trigonometry ³	5	5	-
		16	16	18
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	4	-
*GSA 301	Principles of Physiology	-	-	4
GSB 201b	Introduction to Sociology	4	-	-
*GSB 201c	Introduction to Psychology	-	4	-
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	-	-	3
*Math 150a, b	Elem. Calculus & Analytic Geometry ³	5	5	-
Psyc 211a	Principles and Methods of Psychology	-	-	4
Psyc 301	Child Psychology	-	-	4
		16	16	18

*Required for this curriculum

¹The undergraduate concentration is primarily aimed at providing a broad general education. To become a professional psychologist the student must usually complete two to four years of post graduate study.

²Select from General Studies Elective Sections.

³The College of Liberal Arts and Sciences requires two years of Mathematics and one year of Foreign Language or conversely. Math 111a, b substitutes for GSD Math.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include two quarter hours of Science, six hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Social Studies).

Recommended Program
SOCIOLOGY¹
 (General Sociology Option)
 (Social Work Option)
 College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Electives ²	4	-	4
GSC 100	Music Understanding)	-	3	-
GSC 101	Art Appreciation. .)	-	-	3
GSC 103	World Literature for Composition	3	3	-
GSD 101, 102	English Composition	-	-	3
GSD 103	Speech	3	3	3
*GSD	Foreign Language ³	1	1	1
GSE	Physical Education	5	5	-
*Math 111a, b	College Algebra & Trigonometry ³	16	19	18
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	4
*GSB 201b	Introduction to Sociology	4	-	-
*GSB 201c	Introduction to Psychology	-	4	-
GSC	Humanities Electives ²	3	3	3
*GSD	Foreign Language, Intermediate) ³	3-5	3-5	3
*Math 150a, b	Elem. Calculus & Analytic Geom.)	-	-	3
GSE 201	Healthful Living	-	-	4
Soc. 375	Social Welfare as a Social Institution	14-16	14-16	17

*Required for this curriculum.

¹See also the Department of Sociology for requirements for a concentration in Social Welfare.

²Select from General Studies Elective Sections.

³The College of Liberal Arts & Sciences requires either two years of Math and one year of Foreign Language or conversely. If the student selects the Math sequence the second year, the three hours listed for Spring may be electives. Math 111a, b substitutes for GSD Math.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, six hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Social Studies).

Recommended Program
SPEECH¹
College of Liberal Arts and Sciences

<u>First Year</u>		Fall	Winter	Spring
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Electives ²	4	-	4
GSC	Humanities Electives ²	-	3	3
GSD 101, 102	English Composition ³	3	3	-
GSD 103	Speech	-	-	3
GSD 107a, b	Basic College Math. ⁴	5	3	-
GSD	Foreign Language ⁴	3	3	3
GSE	Physical Education	<u>1</u>	<u>1</u>	<u>1</u>
		16	17	18

<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	4	4
GSB	Social Studies Electives ²	-	4	4
GSC	Humanities Electives ²	3	3	-
*GSC 103	World Literature for Composition ³	-	-	3
GSC 200	Oral Interpretation of Literature	4	-	-
GSD	Foreign Language ⁴	3	3	3
GSE 201	Healthful Living	3	-	-
Spch. 102	Public Speaking	-	-	4
Spch. 202	Principles of Discussion	<u>-</u>	<u>3</u>	<u>-</u>
		17	17	18

*Required by the academic unit.

¹This is not a professional concentration, but a liberal arts concentration.
See also the College of Communications and Fine Arts and the College of Education.

²Select from General Studies Elective Sections.

³The department requires a "C" average in GSD 101, 102 and GSC 103, or their approved equivalent.

⁴The College of Liberal Arts and Sciences requires either two years of foreign language and one year of Mathematics or conversely. Two years of foreign language is preferred.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirement which include two quarter hours of Science, six hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSB (Social Studies) or GSC (Humanities).

Recommended Program
THEATER¹
 College of Liberal Arts and Sciences

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Electives ²	4	4	4
*GSC 103	World Literature for Composition ³	-	-	3
GSD 101, 102	English Composition ³	3	3	-
GSD 103	Speech	-	-	3
GSD 107a, b	Basic College Mathematics ⁴	5	3	-
GSE	Physical Education	1	1	1
Thea. 111a, b, c	Staging Techniques	3	3	3
		<u>16</u>	<u>18</u>	<u>18</u>
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	4	4
GSB	Social Studies Electives ²	4	4	-
*GSC 201	Introduction to Drama	3	-	-
*GSC 203	Drama and the Arts of Theater	-	3	-
*GSC 354a, b	History of the Theater	-	3	3
GSD	Foreign Language ⁴	3	3	3
GSE 201	Healthful Living	-	-	3
Thea. 217	Acting	4	-	-
Thea. 311	Introduction to Playwriting	-	-	4
		<u>16</u>	<u>17</u>	<u>17</u>

*Required by the academic unit.

¹This is not a professional concentration but a liberal arts concentration.
 See also the College of Communications and Fine Arts.

²Select from General Studies Elective Sections.

³The department requires a "C" average in GSD 101, 102, and GSC 103, or their approved equivalent.

⁴Liberal Arts and Sciences majors are required to take either two years of foreign language and one year of Mathematics or conversely.

Comments: Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include two quarter hours of Science, two hours of Social Studies, and seven hours of Humanities. Students in this program are permitted to waive six quarter hours of General Studies area GSC (Humanities).

Recommended Program

ZOOLOGY¹

College of Liberal Arts and Sciences

<u>First Year</u>		<u>Fall</u> <u>Qt.</u>	<u>Winter</u> <u>Qt.</u>	<u>Spring</u> <u>Qt.</u>
GSB	Social Studies Electives ²	4	-	4
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
*GSD	Foreign Language ³	3	3	3
GSE	Physical Education	1	1	1
*Chem. 121a, b	General Chem. & Qualitative Analysis ⁴	-	5	5
*Math 111a, b	College Algebra & Trigonometry ³	5	5	-
		16	17	16
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
*GSA 201a, b	Introductory Biology)	4	4	-
*GSA 210a, b	Environmental Biology) Select One	-	-	4
GSB	Social Studies Electives ²	3	3	3
GSC	Humanities Electives ²	3-5	3-5	3
*GSD	Foreign Language Intermediate) ³	-	-	3
*Math 150a, b	Elem. Calculus & Analytic Geom.) Select One	5	-	-
GSE 201	Healthful Living	-	5	-
Zoo 102	General Invertebrate Zoology	-	-	5
Zoo 103	General Vertebrate Zoology	15-17	15-17	18
Zoo 202	Comparative Anatomy of Vertebrate			

*Required for this curriculum.

¹This program is appropriate for those wishing to enter: Fish & Wildlife Management, Dentistry, Medicine, Veterinary Medicine, or allied fields. See also the College of Education.

²Select from General Studies Elective Section.

³French, German, or Russian is recommended. The College of Liberal Arts and Sciences requires either two years of Math and one year of Foreign Language or conversely.

⁴Substitutes for GSA 101b.

Comments: Students unable to take professional courses listed above should attempt completing their remaining General Studies requirements which include four quarter hours of Science, ten hours of Social Studies, thirteen hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSA (Science).

S C H O O L O F M E D I C I N E

(See Pre-Medicine, Page 53)

and

Pre-Professional for Explanation
(See Page 50)

SCHOOL OF TECHNOLOGY

The School of Technology provides instruction in broad areas of technology. Through instruction, research, and consultative services, it serves Southern Illinois and has a growing responsibility in broader areas.

The courses of study in the School of Technology are designed to provide instruction and to stimulate research in all areas of technology. These courses of study serve to eliminate the barriers and to bridge the gaps between scientists, engineers, and technologists--between theories and their applications--between the creative and practical aspects, in the basic areas of science, engineering, and industry.

All offices and facilities of the School of Technology are centered in the Technology complex by the Lake on Campus.

ACCREDITATION: North Central Association of Colleges and Secondary Schools

DEGREES OFFERED: Bachelor of Science

Engineering	Technical and Industrial Education
Engineering Technology	Enterprise Teaching
Civil Engineering	Technical Teaching
Electrical Engineering	Manual Arts Therapy
Mechanical Engineering	Trades and Industries Teaching
Industrial Technology	
Industrial Design	
Manufacturing	
Supervision and Personnel	

GRADUATE PROGRAMS: Numerous specializations are available on the master's level in Engineering and Technical and Industrial Education. At present, the University does not have a doctoral area under the School of Technology.

For specific information concerning advanced degree work a student should consult with the School of Technology, the Graduate School office, or write to Central Publications for a free copy of the Graduate School Catalog for the Carbondale Campus.

ORGANIZATIONS: Scholastic and Professional Honoraries: Iota Lambda Sigma (Industrial Education), American Society of Tool Manufacturing and Engineering, and the American Institute for Design and Drafting.

Departmental: Engineering Club, Technical and Industrial Education Club, and the Technology Club.

TRANSFER STUDENTS: Students should note that the minimum math requirement for all areas under the School of Technology is College Algebra and Trigonometry.

Students intending to transfer occupational credit should consult with the department concerning its possible applicability towards meeting degree requirements.

Occupational transfer credit is counted as Technology 259 and usable as free electives. Students should be aware that very little, if any, such credit would be applicable towards meeting Engineering degree requirements while most, if not all, such credit could possibly be usable towards the Technical Teaching degree.

FOR FURTHER INFORMATION:

Chief Academic Advisor	or	Chairman of (State Major)	or	Admissions Office
School of Technology		School of Technology		Woody Hall
Ph: (618) 453-5105				Ph: (618) 453-4381

Southern Illinois University at Carbondale
Carbondale, Illinois 62901

Recommended Program

ENGINEERING

School of Technology

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSB	Social Studies Electives ¹	-	-	4
GSC	Humanities Electives ¹	3	3	-
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	1	1
*Chem 121a,b	General Chemistry & Qualitative Analysis ²	5	5	-
*Math 150a,b	Elementary Calculus & Analytic Geometry ³	5	5	-
*Math 252a	Intermediate Calculus	-	-	5
		<u>17</u>	<u>17</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Elective ^{1,4}	4	-	-
GSB	Social Studies Elective ¹	-	4	8
GSC	Humanities Elective ¹	-	3	3
GSE 201	Healthful Living	-	-	3
*Math 252b	Intermediate Calculus	4	-	-
*Physics 211a,b	University Physics ²	5	5	-
*E.T. 102	Graphic Communication	3	-	-
Engr 222	Digital Computer Programming	-	3	-
Engr 260	Analytical Mechanics	-	3	3
		<u>16</u>	<u>18</u>	<u>17</u>

*Required by the academic unit.

¹Select from General Studies Elective Sections.

²Substitute for GSA 101 (science) sequence.

³Substitute for GSD 107 (math) sequence.

⁴Students must have a minimum of one course from the Biological Sciences to complete the GSA area requirements.

Comments: The Engineering curriculum is designed to provide a basic foundation for the professional engineer. Students can specialize further at the graduate level.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSA (science).

Recommended Program

ENGINEERING TECHNOLOGY (Civil Engineering option) (Electrical Engineering option) (Mechanical Engineering option)

School of Technology

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 101a,b	Introduction to Physical Science	-	4	4
GSC 102	Philosophy (Ethics)	3	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSE	Physical Education	1	1	1
E.T. 102a,b,c	Graphic Communication	3	3	3
*Math 111a,b	College Algebra & Trigonometry ¹	5	5	-
*Math 150a	Elementary Calculus & Analytic Geometry	-	-	5
		<u>15</u>	<u>16</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	-	-	4
GSB 201b	Introduction to Sociology	-	4	-
GSB 201c	Introduction to Psychology	-	-	4
GSC	Humanities Electives ²	3	3	3
GSC 101	Art Appreciation	3	-	-
GSD 103	Speech	-	3	-
GSE 201	Healthful Living	-	-	3
E.T. 260a,b,c	Statics and Dynamics	3	3	3
*Math 150b	Elementary Calculus & Analytic Geometry	5	-	-
		<u>18</u>	<u>17</u>	<u>17</u>

*Required by the academic unit.

¹Substitute for GSD (Math) sequences.

²Select from General Studies Elective Sections.

Comments: GSA 358a,b (Analysis of Physical Systems), and GSB 361 (Fundamentals of Decision Making) are also required.

Students unable to take professional courses listed should attempt to complete their remaining General Studies requirements which include six quarter hours of Science, ten hours of Social Studies, and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSB (Social Studies).

Recommended Program
INDUSTRIAL TECHNOLOGY¹
 (Industrial Design option)

School of Technology

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 101a,b	Introduction to Physical ₂ Science	-	4	4
GSB	Social Studies Electives ²	-	-	4
GSC 101	Art Appreciation	3	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSE	Physical Education	1	1	1
*E.T. 102a,b,c	Graphic Communication	3	3	3
*Math 111a,b	College Algebra & Trigonometry ³	5	5	-
		15	16	15
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Elective ²	4	-	-
GSB 201b	Introduction to Sociology	-	4	-
GSB 201c	Introduction to Psychology	-	-	4
GSC	Humanities Electives ²	3	3	3
GSC 102	Philosophy (Ethics)	3	-	-
GSD 103	Speech	-	3	-
GSE 201	Healthful Living	-	3	-
*Engr 222	Computer Programming	-	-	3
I.T. 305	Design Illustration	3	-	-
I.T. 306	Industrial Design	3	-	-
*Mgt 340	Business Organization & Management	-	-	4
		16	17	18

*Required by the academic unit.

¹Junior College Occupational and Technical Institute credit is acceptable and can constitute an option in areas such as aviation maintenance, construction, data processing, design & drafting, machine tool, electronics, etc.

²Select from General Studies Elective Sections.

³Substitute for GSD (Math) sequence.

Comments: GSA 358a,b (Analysis of Physical Systems), and GSB 361 (Fundamentals of Decision Making) are also required.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSB (Social Studies).

Recommended Program

INDUSTRIAL TECHNOLOGY¹
(Manufacturing option)

School of Technology

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 101a,b	Introduction to Physical Science ²	-	4	4
GSB	Social Studies Elective ²	-	-	4
GSC 101	Art Appreciation	3	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSE	Physical Education	1	1	1
*E.T. 102a,b,c	Graphic Communication	3	3	3
*Math 111a,b	College Algebra & Trigonometry ³	<u>5</u>	<u>5</u>	<u>-</u>
		15	16	15
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Elective ²	4	-	-
GSB 201b	Introduction to Sociology	-	4	-
GSB 201c	Introduction to Psychology	-	-	4
GSC	Humanities Electives ²	3	3	3
GSC 102	Philosophy (Ethics)	3	-	-
GSD 103	Speech	-	3	-
GSE 201	Healthful Living	-	3	-
*Acct 250	Accounting Fundamentals	4	-	-
*Engr 222	Computer Programming	-	-	3
*Mgt 340	Business Organization & Management	<u>-</u>	<u>-</u>	<u>4</u>
		14	17	18

*Required by the academic unit.

¹Junior College Occupational and Technical Institute credit is acceptable and can constitute an option in areas such as aviation maintenance, construction, data processing, design & drafting, machine tool, electronics, etc.

²Select from General Studies Elective Sections.

³Substitute for GSD (Math) sequence.

Comments: GSA 358a,b (Analysis of Physical Systems), and GSB 361 (Fundamentals of Decision Making) are also required.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and four hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSB (Social Studies).

Recommended Program
INDUSTRIAL TECHNOLOGY¹
 (Supervision & Personnel option)

School of Technology

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 101a,b	Introduction to Physical Science	-	4	4
GSB	Social Studies Elective ²	-	-	4
GSC 101	Art Appreciation	3	-	-
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSE	Physical Education	1	1	1
*E.T. 102a,b	Graphic Communication	3	3	3
*Math 111a,b	College Algebra & Trigonometry	5	5	-
		<u>15</u>	<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives	-	4	4
GSB	Social Studies Elective	4	-	-
GSB 201b	Introduction to Sociology	4	-	-
GSB 201c	Introduction to Psychology	-	4	-
GSC	Humanities Electives	-	3	3
GSC 102	Philosophy (Ethics)	3	-	-
GSD 103	Speech	-	3	-
GSE 201	Healthful Living	-	-	3
*Acct 250	Accounting Principles	4	-	-
*Engr 222	Computer Programming	-	-	3
*Mgt 340	Business Organization & Management	-	4	-
*Psyc 305	Psychology of Personality	-	-	4
		<u>15</u>	<u>18</u>	<u>17</u>

*Required by the academic unit.

¹Junior College Occupational and Technical Institute credit is acceptable and can constitute an option in areas such as aviation maintenance, construction, data processing, design & drafting, machine tool, electronics, etc.

²Select from General Studies Elective Sections.

³Substitute for GSD (Math) sequence.

Comments: GSA 358a,b (Analysis of Physical Systems) and GSB 361 (Fundamentals of Decision Making) are also required.

Students unable to take professional courses listed should attempt to complete their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSB (Social Studies).

Recommended Program

TECHNICAL AND INDUSTRIAL EDUCATION (Enterprise Teaching option)¹

School of Technology

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 101a,b	Introduction to Physical Science	4	4	-
GSA	Science Elective ²	-	-	4
GSB	Social Studies Elective ²	-	-	4
GSC 103	World Literature for Composition	-	-	3
GSD 101, 102	English Composition	3	3	-
GSE	Physical Education	1	1	1
*Math 111a,b	College Algebra & Trigonometry ³	5	5	-
TIED 100	Orientation	-	2	-
TIED 201a,b	Visual Communication	3	3	-
TIED 207	Energy Conversion & Power Transmission	-	-	3
		<u>16</u>	<u>18</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Elective	4	-	-
GSB 201b	Introduction to Sociology	-	4	-
GSB 201c	Introduction to Psychology	-	-	4
GSB 211b	American Government ⁴	4	-	-
GSC	Humanities Electives ²	3	3	-
GSC 102	Philosophy (Ethics)	-	-	3
GSD 103	Speech	-	-	3
GSE 201	Healthful Living	-	3	-
*Econ 214, 215	Economics, Macro & Micro ⁵	-	4	4
*Guid 305	Educational Psychology	4	-	-
*Mgt 340	Business Organization & Management	-	-	4
*S.Ed. 310	History & Principles of Secondary Education	-	4	-
		<u>15</u>	<u>18</u>	<u>18</u>

*Required by the academic unit.

¹Formerly Industrial Arts.

²Select from General Studies Elective Sections.

³Substitute for GSD (Math) sequence.

⁴One course in American Government or American History is required for Illinois Teaching Certificate.

⁵Substitute for GSB 211a (Economics).

Comments: A 3.25 grade point average is prerequisite to student teaching.

GSA 358a,b (Analysis of Physical Systems) is also required.

Ed.Ad. 355 (Philosophy of Education) can substitute for GSC credit.

Students unable to take professional courses listed should attempt to complete their remaining General Studies requirements which include six quarter hours of Science, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies in area GSC (Social Studies).

Recommended Program

TECHNICAL AND INDUSTRIAL EDUCATION (Technical Teaching option)¹

School of Technology

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Electives ²	4	-	4
GSC	Humanities Electives ²	3	3	3
GSD 101, 102	English Composition	3	3	-
GSD 102	Speech	-	-	3
GSE	Physical Education	1	1	1
*Math 111a,b	College Algebra & Trigonometry ³⁻⁴	5	5	-
		<u>16</u>	<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB	Social Studies Elective ²	4	-	-
GSB 211b	American Government ⁵	-	4	-
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	-	-	3
Elect.	Electives ⁶	6	6	6
*Guid 305	Educational Psychology	-	-	4
		<u>17</u>	<u>17</u>	<u>16</u>

*Required by the academic unit.

¹Students with work experience or post-secondary technical or vocational education in a technical institute or junior college are advised to prepare for trades and industries or technical teaching.

²Select from General Studies Elective Sections.

³Dental Hygiene, Dental Laboratory Technology, and Dental Assisting teachers need not take Math 111a,b, and may satisfy General Studies requirements with some substitutions.

⁴Math 111a,b substitutes for GSD (Math) sequence.

⁵Students desiring a secondary school teaching certificate must have a course in American Government or American History.

⁶Elective credits within the students' subject matter specialties. Areas completed in the community college or technical institute include electronics, forest products, data processing, dental hygiene, dental laboratory technology, medical laboratory technology, automotive technology, aviation technology, graphic arts, commercial arts, architectural technology, industrial technology, and others.

Comments: Students should attempt completing their subject matter speciality and including within their program as many General Studies courses listed as the program will allow.

Students following the recommended program would have six quarter hours of Science, six hours of Social Studies, and four hours of Humanities remaining to complete the General Studies program.

Students in this program are permitted to waive six quarter hours of General Studies area GSB (Social Studies).

Recommended Program

TECHNICAL AND INDUSTRIAL EDUCATION (Manual Arts Therapy option)

School of Technology

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ¹	-	4	4
GSB	Social Studies Electives ¹	4	4	4
GSC	Humanities Electives ¹	3	-	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	1	1
*Math 111a,b	College Algebra & Trigonometry ²	5	5	-
		16	17	15
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ¹	4	4	-
GSB	Social Studies Elective ¹	-	-	4
GSC	Humanities Electives ¹	3	3	3
GSE 201	Healthful Living	3	-	-
TIED 100	Orientation	2	-	-
*E.T. 102	Graphic Communication	3	3	-
*Guid 305	Educational Psychology	-	4	-
*Psyc 307	Social Psychology	-	-	4
Elect.	Electives in Speciality ³	-	3	6
		15	17	17

*Required by the academic unit.

¹Select from General Studies Elective Sections.

²Substitute for GSD (Math) sequence.

³See Undergraduate Bulletin.

Comments: GSA 358a,b (Analysis of Physical Systems) is also required.

Students unable to take professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies).

Recommended Program

TECHNICAL AND INDUSTRIAL EDUCATION (Trades and Industries Teaching option)¹

School of Technology

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 101a,b	Introduction to Physical Science	4	4	-
GSB	Social Studies Elective ²	-	-	4
GSC 100	Music Understanding	-	-	3
GSC 101	Art Appreciation	} select one	-	3
GSC 103	World Literature for Composition			
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSE	Physical Education	1	1	1
*E.T. 102a,b	Graphic Communication	-	3	3
*Math 111a,b	College Algebra & Trigonometry ³	5	5	-
TIED 100	Orientation	2	-	-
		<u>15</u>	<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA	Science Electives ²	4	4	-
GSB 201b	Introduction to Sociology	-	4	-
GSB 201c	Introduction to Psychology	-	-	4
GSB 211b	American Government ⁴	4	-	-
GSC	Humanities Electives ²	3	3	3
GSC 102	Philosophy (Ethics)	3	-	-
GSE 201	Healthful Living	-	3	-
*Guid 305	Educational Psychology	-	-	4
*S.Ed. 310	History & Principles of Secondary Education	-	-	4
Elect.	Major Requirements ⁵	3	3	3
		<u>17</u>	<u>17</u>	<u>18</u>

*Required by the academic unit.

¹Students with work experience or post-secondary technical or vocational education in a technical institute or junior college are advised to prepare for this option or technical teaching option.

²Select from General Studies Elective Sections.

³Substitute for GSD (Math) sequence.

⁴Students desiring a secondary school teaching certificate must have a course in American History or American Government.

⁵See Undergraduate Bulletin.

Comments: GSA 358a,b (Analysis of Physical Systems) is also required.

A 3.25 grade point average is prerequisite to student teaching.

Ed.Ad. 355 (Philosophy of Education) can substitute for GSC credit.

Students unable to take professional courses listed should attempt to complete their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and seven hours of Humanities.

Students in this program are permitted to waive six quarter hours of General Studies area GSB (Social Studies).

OTHER MAJORS

Two additional programs not attached to a school or college offered at the University are Administration of Justice and Design. The curriculum for the first two years of these majors is as follows:

Recommended Program
ADMINISTRATION OF JUSTICE¹

Center for the Study of Crime, Delinquency and Corrections

<u>First Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
		<u>Qt.</u>	<u>Qt.</u>	<u>Qt.</u>
GSA 101a, b	Introduction to Physical Science	-	4	4
GSB 102a	Anthropology	4	-	-
GSB 102b	Geography	-	4	-
GSC 110a, b, c	Introduction to Western Humanities	3	3	3
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 107	Basic College Mathematics	5	3	-
GSE	Physical Education	1	1	1
Govt. 231	American National Government	-	-	4
		<u>16</u>	<u>18</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
GSA 201a, b	Introductory Biology	4	4	-
GSA 302	Psychobiological Foundation of Behavior	-	-	3
GSB 201b	Introduction to Sociology	-	4	-
GSB 201c	Introduction to Psychology	-	-	4
GSC 200	Oral Interpretation of Literature	4	-	-
GSB 321	Socialization of the Individual	-	-	3
GSC 208	Logic and Meaning	4	-	-
GSC 351	Masterpieces of the Novel	-	3	-
GSE 201	Healthful Living	-	-	3
AJ 200	Introduction to Criminal Behavior	4	-	-
AJ 201	Societal Responses to Offenders	-	4	-
AJ 300	Diagnosis and Evaluation of Offenders	-	-	4
		<u>16</u>	<u>15</u>	<u>17</u>

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¹This is a new unit of instruction which is not associated with a school or college.

Comments: An internship will be required and will normally be restricted to seniors.

Occupational credit in related areas will be considered in departmental evaluation.

For additional information concerning requirements or for an interview appointment, prospective students should write or call: Administration of Justice (B.S. Degree) Center for the Study of Crime, Delinquency, and Correction; Southern Illinois University at Carbondale; Carbondale, Illinois 62901. Ph: (618) 453-5701

Recommended Program
DESIGN¹
 Department of Design

<u>First Year</u>		Fall <u>Qt.</u>	Winter <u>Qt.</u>	Spring <u>Qt.</u>
GSA	Science Electives ²	-	4	4
GSB	Social Studies Electives ²	-	-	4
GSC	Humanities Electives ²	3	-	-
GSD 101, 102	English Composition	3	3	-
GSD 103	Speech	-	-	3
GSD 107a, b	Intro. to Basic College Math.)	3-5	5	-
Math 111a, b	College Algebra & Trig. . . .)Select One			
GSE	Physical Education	1	1	1
D 100a, b, c	Design Fundamentals	5	5	5
		15-17	18	17
<u>Second Year</u>		Fall	Winter	Spring
GSA	Science Electives ²	4	4	-
GSB	Social Studies Electives ²	4	4	4
GSC	Humanities Electives ²	3	3	3
GSE 201	Healthful Living	-	-	3
D 200a, b, c	Materials and Basic Techniques	2	2	2
D 275a, b, c	Basic Visual Design	4	4	4
		17	17	16

¹Students transferring from other schools, other areas of concentration, or from General Studies program should arrange a personal interview with the chairman of the Design department to develop the appropriate curriculum for fulfilling degree requirements.

²Select from General Studies Elective Sections.

Comments: Students unable to take the professional courses listed above should attempt to complete their remaining General Studies requirements which include six quarter hours of Science, six hours of Social Studies, and ten hours of Humanities.

Students in this program are permitted to waive six quarter hours of the above General Studies requirements in area GSB (Social Studies).

PUBLICATIONS

It is advisable for a counselor to have a knowledge of various university publications available to prospective students and counseling personnel. Requests should be directed to the appropriate office. Counselors requests may be sent directly to the Articulation Division, Office of the Registrar and Director of Admissions.

STUDENT PUBLICATIONS

PREVIEW '71: A pictorial booklet with brief factual information for the prospective student. Counselors should have sufficient copies to distribute to their counselees interested in SIU at Carbondale. Requests - Central Publications.

GUIDELINES '71: A small factual booklet distributed at College day and night programs, containing information and guidelines for the prospective student. Requests - Central Publications.

THE TRANSFER STUDENT: Similar to Guidelines but written specifically for the transfer student. Requests - Central Publications.

ACCELERATION AND ENRICHMENT OPPORTUNITIES: Describes special academic problems, options, etc., specifically designed for the capable student. Requests - Central Publications.

SIU BULLETINS: Carbondale Undergraduate Catalog (\$1.00), Vocational Technical Institute Catalog, Graduate School Catalog. Requests - Central Publications.

COUNSELORS PUBLICATIONS

SIU COUNSELOR'S HANDBOOK: Requests - Articulation Division, Office of the Registrar and Director of Admissions.

SIU BULLETINS: See above - copies distributed free to educational institutions. Requests - Central Publications.

SIU ARTICULATION NEWS: Published in the Fall and Winter, this newsletter provides valuable information on important changes and activities of interest to a counselor. Other items mailed with this newsletter include the Counselors Guide (Fall) and New Student Profile (Winter).

OTHER MATERIALS - OFFICES

Housing Information

On campus - Housing Business Services

Off Campus - Housing Information Center

Admission Applications - Admissions Office

Testing Information (ACT) - Counseling and Testing

Financial Assistance Applications - Student Work & Financial Aid Office

Guided Group Campus Tours - Information and Scheduling

Lodging Accommodations in Area - Information and Scheduling

SUGGESTIONS

Southern Illinois
University

CARBONDALE, ILLINOIS 62901

Office of the Registrar and Director of Admissions

Dear Counselor:

The Articulation Division is anxious to improve the usefulness of this Handbook. This form is provided in hopes that you will, during the school year, indicate questions or other items which need to be added in the next issue.

Please return this form to the Articulation Division Coordinator, Office of the Registrar and Director of Admissions, Southern Illinois University, Carbondale, Illinois 62901, at the end of your school year (June). You can be assured that your comments and suggestions will be greatly appreciated and that your remarks will help us to revise the publication during the summer.

School

Counselor

Please send our school 1971 Handbooks next year.

UNIVERSITY DIRECTORY

Listed below are the various Schools, Colleges, and Offices which are available to aid counselors, prospective students, and parents in answering questions which may not be within the scope of the various University publications. Please feel free to direct inquiries to the appropriate areas.

The general University telephone number is (618) 453-2121. The mailing address is Southern Illinois University, Carbondale, Illinois 62901.

SCHOOLS AND COLLEGES

AGRICULTURE, School of	(Agriculture Building)	453-2460
BUSINESS, School of	(General Classroom Building)	453-3328
COMMUNICATIONS and FINE ARTS, College of	(Communications Building)	453-4308
EDUCATION, College of	(Wham Education Building)	453-2415
HOME ECONOMICS, School of	(Home Economics Building)	453-2251
LIBERAL ARTS and SCIENCES, College of	(General Classroom Building)	453-2466
TECHNOLOGY, School of	(Technology Building)	453-4321
GRADUATE SCHOOL	(Woody Hall)	453-2357
VOCATIONAL TECHNICAL INSTITUTE		985-3371
GENERAL STUDIES DIVISION	(Woody Hall)	453-4351
CENTER for the STUDY of CRIME, DELINQUENCY, and CORRECTIONS		453-5701

OFFICES

ATHLETICS, INTERCOLLEGIATE		453-5311
ATHLETICS, TICKET OFFICE		453-5319
BURSAR	(Payment of Fees)	453-2221
CENTRAL PUBLICATIONS	(Distributes Catalogs)	453-2318
CENTRAL TICKET OFFICE		453-3704
COUNSELING and TESTING		453-5371
DEAN of STUDENT SERVICES		453-2374
HANDICAPPED STUDENT SERVICES		453-5738
HEALTH SERVICE		453-3311
HOUSING BUSINESS SERVICES	(On-Campus Information)	453-2301
HOUSING INFORMATION SERVICES	(Off-Campus Information)	453-5391
INFORMATION and SCHEDULING	(Campus Tours)	453-5351
INTERNATIONAL STUDENT SERVICES		453-5774
MARRIED and GRADUATE STUDENTS	(Information and Assistance)	453-5379
OFFICE of the REGISTRAR and DIRECTOR of ADMISSIONS (Woody Hall)		453-4381
Registrar		
Director of Admissions		
Articulation		
High School Relations		
Junior College Relations		
Foreign Admissions		
Records Division		
Selective Service Information		
Veterans Benefits		
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PRESIDENT SCHOLAR'S CENTER		453-2883
STUDENT WORK and FINANCIAL ASSISTANCE		453-4334
UNIVERSITY OMBUDSMAN		453-2411

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10M 10/70

Southern Illinois University
Bulletin

*Schedule of Classes
Southern Illinois University
at Edwardsville*

Winter and Spring Quarters, 1971



This Bulletin

contains the schedule of classes to be offered by the Edwardsville Campus for the winter and spring quarters, 1971. It also provides information relative to admission, advisement, registration, and fees.

Schedule of Classes

Winter and Spring, 1971

*Southern Illinois University
at Edwardsville*



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University Calendar

WINTER, 1971 Quarter Begins Monday, January 4
(Classes 4:30 P.M. or later)
Washington's Birthday Holiday Monday, February 15
Final Examinations Saturday–Friday, March 13–19

SPRING, 1971 Quarter Begins Monday, March 29
(Classes 4:30 P.M. or later)
Memorial Day Holiday Monday, May 31
Final Examinations Saturday–Friday, June 5–11
Commencement (Edwardsville) Friday, June 11
Commencement (Carbondale) Saturday, June 12

SUMMER, 1971 Quarter Begins Monday, June 21
(Classes 4:30 P.M. or later)
Independence Day Holiday Monday, July 5
Final Examinations Monday–Friday, August
30–September 3
Commencement (Edwardsville) Friday, September 3
Commencement (Carbondale) Saturday, September 4

Registration Calendars, Winter, 1971

General Studies Advisement

October 5–January 4. Call General Studies Office for appointment.

Open Registration

December 7, 8, 9, 10—1:00–6:30 P.M.

Central Registration

January 4—8:00 A.M.–6:30 P.M.

First day for program changes—December 14.

Evening classes (4:30 P.M. or later) begin—January 4.

Day classes begin—January 5.

Last day to add a class—January 9.

Last day to be eligible for a refund of fees—January 18.

Last day to withdraw from a class without receiving a grade—February 1.

Last day to withdraw from school or a class—March 1.

Spring, 1971

General Studies Advisement

January 11–March 29. Call General Studies Office for appointment.

Open Registration

March 12—8:30–11:30 A.M.; 1:00–4:00 P.M.

March 13—8:30 A.M.–12:00 NOON.

March 15, 16—1:00–6:30 P.M.

Central Registration

March 29—8:00 A.M.–6:30 P.M.

First day for program changes—March 22.

Evening classes (4:30 P.M. or later) begin—March 29.

Day classes begin—March 30.

Last day to add a class—April 2.

Last day to be eligible for a refund of fees—April 12.

Last day to withdraw from a class without receiving a grade—April 26.

Last day to withdraw from school or a class—May 24.

1 / General Information

THIS BULLETIN contains the schedule of classes to be offered for the winter and spring quarters of the 1970-71 school year. It also provides information relative to advisement and registration, fees, and allied information.

The Edwardsville Campus provides a full schedule of class offerings for day and evening students. Freshman and sophomore courses are scheduled for day and evening students at the Alton Center.

Admission

Inquiries concerning admission to Southern Illinois University should be directed to the Admissions Office at Edwardsville. Applications for admission are accepted at any time during the calendar year but should be initiated at least 30 days prior to the start of the quarter which the student plans to attend.

A student must be officially admitted to the University before registration for classes will be permitted. Students who have not completed the admission requirements by the first day of the quarter will not be permitted to register. A student, to be permitted to attend classes at Southern Illinois University, must have completed registration, which includes admission, advisement, sectioning, and payment of fees.

Social Security Number

Each student seeking admission to the University will need to present a social security number for identification purposes. Any local social security office can provide assistance in obtaining a number or replacing a lost card.

At Alton the social security office is at 1623 Washington Street; at East St. Louis the office is at 435 Missouri Avenue; at Edwardsville the Illinois State Employment Office, 111 West Vandalia, provides social security information.

Required Tests

Each student entering Southern Illinois University directly from high school is required to furnish to the University scores on the test battery administered by the American College Testing Program (A.C.T.). These tests are given at regional test centers throughout the United States in October, December, February, May, and August. Information and application blanks are normally available through the high school guidance director or principal, or may be obtained by writing directly to: American College Testing Program, Box 168, Iowa City, Iowa.

A student who finds it impossible to take the A.C.T. tests may have

scores from the College Entrance Examination Board (C.E.E.B.) submitted. The specific scores, which must be submitted if the C.E.E.B. tests are submitted, are Scholastic Aptitude Test, English Composition Test, and Mathematics (Intermediate) Test. In order to have identical test data, a student who submits C.E.E.B. test data will be required to submit scores from the A.C.T. no later than one month after registration.

Transfer students are required to furnish A.C.T. scores to the Student Counseling and Testing Center. (A transcript of these scores is available by sending one dollar and a written request to the American College Testing Program in Iowa City.) If the scores are on file at the student's former school, a request should be made for their forwarding. Test scores are not normally sent with a person's transcript of grades and must be requested separately from the appropriate office at the former school. If the A.C.T. tests have not been taken, arrangements to do so should be made.

Advisement

The advisement system requires all new students to have initial advisement through the General Studies Advisement Office. An office is maintained at the Alton Center for the convenience of the student. Freshmen and sophomores will continue to be advised each quarter prior to registration. Following the student's declaring a major (between reaching 64 and 96 hours of credit), the student is assigned to an adviser in his concentration area. Each student is required to declare a concentration upon achieving 96 hours of credit. Probationary students are also required to receive advisement prior to registration.

Graduate students, both classified and unclassified, must have their schedule approved at the Graduate Office before registering.

Students with a declared major in the Education Division must receive advisement from the Division office prior to registering.

All students should arrange to have advisement early to be sure their schedules will be approved before their registration.

Required Physical Examinations

Each new student desiring to enroll at Southern Illinois University is required to have a physical examination completed prior to his initial registration for classes. A special medical form is provided which is to be completed by the student and his personal physician and returned to the University Health Service.

Registration

All General Studies students are required to have approval of their schedule by the General Studies Advisement Office.

Each classified graduate student must have his schedule approved by his adviser and the Dean of the Graduate School before registering for classes at the Enrollment Center. Unclassified graduate students need only the approval of the Dean of the Graduate School. Special cards for this purpose are available at the Graduate Office, 2202 General Office Building.

During the registration process the student goes to the enrollment office where the assignment is made to specific sections of the courses he is to take.

New Students

Students entering the University for the first time are permitted to register only after they have been admitted to the University as evidenced by their receiving the Certificate of Admissions.

Dates for new undergraduate students, freshmen and transfer, will be selective ones in which the students are asked to come to the campus on specific registration dates as determined by the University. Students should not expect to be advised and registered on the same date they are admitted. Appointments for registration will be mailed from the Registrar's Office.

New graduate students after advisement may register during the registration period as shown on the Registration Calendar on page iv. Arrangements should be cleared with the Graduate School to assure that the appropriate adviser will be available before coming to the campus.

Re-Entering Students

Students who have attended the University at some former time but not during the session immediately prior to the time they plan re-entry are expected to register during the periods outlined in the Registration Calendar. Readmission must be completed prior to registration.

Current Students, Edwardsville Campus

For admittance to registration students previously enrolled must present their Southern Illinois University ID cards. No one will be permitted to register without an ID card. Each student currently registered in the University will be continued in his present course of study unless a change of concentration is made. A change of concentration is initiated with the chief academic adviser. The change should be made at the time of advisement; the registrar's copy of the change form should accompany the student's registration. A change of concentration made after a registration has been processed will not be reflected in the student's record until the next registration.

Upperclass students who have declared a concentration and who are currently registered in the University may be self-advised for registration purposes. This does not apply to Business Division or Education Division students. Academic advisement is available and is very desirable. The student should prepare his desired program of classes at each registration period and process through the sectioning area of the enrollment office in accordance with the time of his appointment in order to best achieve the desired schedule of classes and time periods.

Current Students, Carbondale Campus

A student currently enrolled in and attending classes on the Carbondale Campus who desires to register on the Edwardsville Campus will initiate his registration at the sectioning area of the enrollment center in Edwardsville in accordance with the registration calendar except that he may register on the first day of the quarter. Each student will complete

the intra-university transfer data form to secure information necessary for the Edwardsville data processing center preparation of registration materials. The student who registers on the first day of the quarter should present his most recent grade report to confirm scholastic eligibility to register.

For the purpose of advisement, the student may wish to have a copy of his transcript sent to the Edwardsville Campus prior to registration.

Payment of Fees

All fees are payable at the time of registration. Upon payment of fees, the fee statement and receipt card will be stamped by the Business Office and returned to the student as a fee receipt. The card should be carried at all times. It serves as official authorization to attend classes as scheduled and must be presented to obtain books and activity cards and to process program changes.

Fees for a Regular Quarter

The fee schedule is as follows: *

	Not more than 5 hrs.	More than 5, less than 11	11 or more
Tuition Fee—Illinois Resident	\$39.00	\$78.00	\$117.00
Tuition Fee—Out of State Resident	(133.00)	(265.00)	(398.00)
Student Welfare and Recreation			
Building Trust Fund Fee	5.00	10.00	15.00
Book Rental Fee	3.00	6.00	8.00
Student Activity Fee	3.50	7.00	10.50
University Center Fee	5.00	5.00	5.00
Athletic Fund Fee	3.00	6.50	10.00
<i>Total</i> —Illinois Resident	\$58.50	\$112.50	\$165.50
<i>Total</i> —Out of State Resident	(152.50)	(299.50)	(446.50)

* Fees are subject to change whenever conditions make changes necessary.

Graduate students do not rent their textbooks and do not pay the book rental fee. They purchase their books.

Students having special fee status, such as scholarship holders, faculty, and staff, will pay fees according to their particular status. Prior to registration this student will go to the Student Work and Financial Assistance Office to secure certification.

Late Registration Fee

The first day of a quarter is considered the last day of the regular registration period. Registrations thereafter, including those for classes “to be arranged” are considered late registrations and are assessed a late registration fee of \$5.00.

Changing Fee Status

Students making program changes which result in their changing from one fee status to a higher fee status will be assessed additional tuition

and fees. Students changing from a higher fee status to a lower fee status may apply for a refund provided the reduction in program is made officially by a program change during the same period at the state of a quarter in which students withdrawing from the University are eligible for a refund. This is usually during the first ten days. For dates refer to the Registration Calendar on page iv.

Academic Load

The normal class load is 16 quarter hours for undergraduate students and 12 quarter hours for graduate students. The maximum load for both is 18 hours. A student with a 4.25 average or above for the preceding quarter may be allowed by written permission of the chief academic adviser or by the dean of his division to take as many as 21 hours. In no case may a student carry or be credited with more than 21 hours in any quarter. A student on probation may not take more than 14 quarter hours.

A person should not register for more than 8 hours if he is employed full time.

The Selective Service System requires a minimum of 12 hours for an undergraduate and 8 hours for a graduate to qualify for a student deferment. There is a further requirement that an undergraduate complete a minimum of 42 hours his first year and 48 hours each year thereafter until graduation.

The National Defense Education Act requires a minimum of 12 hours to qualify for a student loan.

For students receiving benefits under the “GI Bill” (P.L. 358) the following regulations apply:

	<i>Undergraduate</i>	<i>Graduate</i>
Full benefits	12 or more hrs.	12 or more hrs.
$\frac{3}{4}$ benefits	9–11 hrs.	9–11 hrs.
$\frac{1}{2}$ benefits	6–8 hrs.	6–8 hrs.

Prerequisites

Students are responsible for checking course prerequisites in the undergraduate and graduate catalogs and in this class schedule. Those who do not have specific prerequisites for a course may register for it only if they have had a comparable course or have written consent of the instructor.

Auditing of Courses

A student may register for courses in an “audit” status. He receives no letter grade and no credit for such courses. An auditor’s registration card must be marked accordingly. He pays the same fees as though he were registering for credit. He is expected to attend regularly and is to determine from the instructor the amount of work expected of him. If an auditing student does not attend regularly, the instructor may deter-

mine that the student should not have the audited course placed on his record card maintained in the Registrar's Office. A student registering for a course for credit may change to an audit status or vice versa only for fully justified reasons and only during the first four weeks of a quarter.

Program Changes

A student is officially registered for only those courses and sections appearing on his registration cards. Changes can be made only after fees are paid and must be made through an official program change at the Enrollment Center, GOB 1308. See the Registration Calendar for the first day to make program changes. (No changes will be made on the first day of the quarter.)

Mere attendance does not constitute registration in a class, nor will attendance in a class for which a student is not registered be a basis for asking that a program change be approved permitting registration in that class.

A student may not drop a course merely by stopping attendance. Failure to drop a course officially may result in academic penalty. Dropping all courses constitutes withdrawal from school and must be initiated at the Student Affairs Office as indicated in a following section.

A student desiring to make a program change must secure approval of his adviser. He will then go to the Enrollment Center where he must present his fee receipt program card and fill out a program change form. Enrollment Center personnel will process the completed form. **NO CHANGE IS OFFICIAL UNTIL THE PRECEDING PROCEDURE IS COMPLETED.**

Withdrawal from School

A student who finds it necessary to withdraw from school while the quarter is in progress must report to the Student Affairs Office to initiate official withdrawal action. No withdrawal will be permitted during the last two weeks of a quarter except under exceptional conditions. A refunding of fees is permitted only if a withdrawal is officially completed within the first two weeks of a quarter and if the application for a refund is received in the Registrar's Office within two weeks following the last regular registration period. See the Registration Calendar in this bulletin for the specific dates concerning withdrawal and refunding of fees.

A student who registers and then finds that he cannot attend school must also officially withdraw from school. He may do this by asking the Student Affairs Office to initiate official withdrawal action for him. This must be done by the end of the first two weeks if he expects to get a refund.

Cancellation of Registration

A registration including the payment of tuition and fees may be considered invalid if the student is declared to be ineligible to register due

to scholastic reasons. The same situation may exist due to financial or disciplinary reasons if certified to the Registrar by the Director of Student Affairs.

Personal Data Changes

Changes in personal data should be reported promptly. Types of change and method of reporting are:

1. ADDRESS CHANGES. Should be reported immediately either at the time of registration or at the Registrar's Office.
2. NAME CHANGES. Should be made at the Registrar's Office. Verification is required.
3. MARITAL STATUS CHANGES. Should be made at the Registrar's Office.
4. LEGAL RESIDENCE CHANGES (whether an Illinois or out-of-state resident.) Must be requested by completion of the *Application to be Classified an Illinois Resident* form in the Registrar's Office. Before the change is made the student must have met the regulations governing residency status as established by the Board of Trustees.

Hospitalization

Health and hospitalization insurance is offered to all students. Cost of the insurance is \$12.06 per quarter for single and \$38.19 per quarter for family plan. This insurance is available at the time of registration.

2 / Schedule of Classes

The University reserves the right to cancel, combine, divide, or limit enrollment in any class or classes; to change the date, time, or place of meeting; to make any other revisions in these course offerings which may become desirable or necessary; and to do so without notice and without incurring obligation.

Explanation of the Schedule

Courses are listed numerically within each subject-matter area. The entry for each course is arranged as follows:

First Line: The course's identification number is followed by the number of quarter hours of credit and the descriptive title. The prerequisites, if any, appear in brackets after the title or on the line immediately below the title.

Section-Number Lines: The first column lists the section numbers. Those sections offered at Edwardsville always begin with 0; those sections offered at Alton always begin with 2; those sections offered at East St. Louis always begin with 4. Following each section number is the time the class begins, between 8:00 A.M. and 4:20 P.M. for daytime classes. An ending time is listed only if the class period is longer than 50 minutes. The section number of each evening class has the letter E prefixed. The days when the class meets, the place where it meets, and the instructor's last name complete the entry.

The course numbering system is as follows:

000-099 Courses not properly falling in the following categories

100-199 For freshmen

200-299 For sophomores

300-399 For juniors and seniors

400-499 For seniors and graduate students

500-600 For graduate students only

Students registering for courses listed as TBA (to be arranged) should consult the instructor indicated, or the faculty office if no instructor is listed, to determine time and place of meeting.

The following list of building abbreviations will help in the location of classrooms.

CB —Communications Bldg.—Edwardsville

ESL —East St. Louis Center

Gym —Gymnasium—Alton

LB —Lovejoy Memorial Library—Edwardsville

LH —Loomis Hall—Alton

PB —John Mason Peck General Classroom
Building—Edwardsville

SL —Science Laboratory Building—Edwardsville

UC —University Center—Edwardsville
Wagner —Wagner Building—Edwardsville
Pract Ctr —Practicum Center—Edwardsville

The location of certain clases at the Alton Center is designated alphabetically such as AA or AB. For locations thus listed, check with the Alton General Office on the first class meeting date for a specific room number.

Technical and Adult Education Courses

Courses offered by the Division of Technical and Adult Education are listed in a special section at the end of the bulletin.

Final Examination Schedules, Winter Quarter, 1971—March 13, 14-19, 1971

Spring Quarter, 1971—June 5, 7-11, 1971

	Mon. March 15 June 7	Tues. March 16 June 8	Wed. March 17 June 9	Thurs. March 18 June 10	Fri. March 19 June 11	Sat. March 13 June 5
8:00 to 9:40	All classes beginning at 8:30, except Tu and/or Th only	Classes beginning at 8:30 Tu and/or Th only	Classes beginning at 9:30 Tu and/or Th only	All classes beginning at 9:30, except Tu and/or Th only	Multiple Section Block (GS Biology) See Announcement	At regular class sessions
10:00 to 11:40	Classes beginning at 10:30 Tu and/or Th only	All classes beginning at 11:30, except Tu and/or Th only	All classes beginning at 10:30, except Tu and/or Th only	Classes beginning at 11:30 Tu and/or Th only	Make-up	
12:20 to 2:00	All classes beginning at 1:30, except Tu and/or Th only	All classes beginning at 12:30, except Tu and/or Th only	Multiple-Section Block (GSD 103) See Announcement	Classes beginning at 1:30 Tu and/or Th only	Classes beginning at 12:30 Tu and/or Th only	
2:20 to 4:00	Classes beginning at 2:30 Tu and/or Th only	Classes beginning at 3:30 Tu and/or Th only	All classes beginning at 3:30, except Tu and/or Th only	All classes beginning at 2:30, except Tu and/or Th only	Make-up	
Evening Classes	At regular sessions					

Winter Quarter
Listing of Classes

GSA cont'd.

MAN'S PHYSICAL ENVIRONMENT AND BIOLOGICAL INHERITANCE (GSA)

101a-5 Introduction to Physical Science [Math 101 or satisfactory score on placement test]

Student enrolls in one lecture and one lab.

Lect A

9:30

MTWThF

SL 1105

Lect B

1:30

MTWThF

SL 3114

Lect C

11:30

MTWThF

PB 1316

eLect D

6:30-7:50

MWF

SL 1105

001

10:30-12:20

M

SL 1217

002

12:30-2:20

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SL 1217

003

2:30-4:20

M

SL 1217

004

8:30-10:20

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SL 1217

005

10:30-12:20

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SL 1217

006

12:30-2:20

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SL 1217

007

2:30-4:20

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SL 1217

008

8:30-10:20

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SL 1217

009

10:30-12:20

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SL 1217

010

12:30-2:20

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SL 1217

011

2:30-4:20

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SL 1217

012

8:30-10:20

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SL 1217

013

10:30-12:20

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SL 1217

014

12:30-2:20

Th

SL 1217

015

2:30-4:20

Th

SL 1217

016

8:30-10:20

F

SL 1217

017

10:30-12:20

F

SL 1217

018

12:30-2:20

F

SL 1217

019

2:30-4:20

F

SL 1217

e020

8:00-10:00

M

SL 1217

e021

8:00-10:00

W

SL 1217

101c-3

Introduction to Physical Science [101a]

001

11:30

T Th

SL 1105

002

8:30-10:20

M

SL 1209

003

10:30-12:20

M

SL 1209

004

11:30

T Th

SL 1105

005

12:30-2:20

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SL 1209

006

11:30

T Th

SL 1105

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SL 1105

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SL 1209

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110a-4	006	8:30-10:20	W	T Th	SL 1209	015	12:30-2:20	I	SL 2211	Yarbrough Bridwell Clements Kircher Wallace Altevogt [204] N. Parker Bridwell Thornton Thornton Hess Kazeck Thompson Hess Thompson
	006	10:30-12:20	W	T Th	SL 1209	014	2:30-4:20	T	SL 2211	
	007	11:30	W	T Th	SL 1105	021	8:30-10:20	W	SL 2211	
	007	12:30-2:20	W	T Th	SL 1209	022	10:30-12:20	W	SL 2211	
	007	11:30	W	T Th	SL 1105	023	12:30-2:20	W	SL 2211	
	008	8:30-10:20	F	T Th	SL 1209	024	2:30-4:20	W	SL 2211	
	008	11:30	F	T Th	SL 1105	e025	4:30-6:20	W	SL 2211	
	009	10:30-12:20	F	T Th	SL 1209	e026	6:30-8:20	W	SL 2211	
	009	11:30	F	T Th	SL 1105	031	8:30-10:20	Th	SL 2211	
	009	12:30-2:20	F	T Th	SL 1209	032	10:30-12:20	Th	SL 2211	
110b-4	001	The Earth and Its Environment	Marlow	MTWF	PB 1410	033	12:30-2:20	Th	SL 2211	The Fossil Origins of Man Conservation of Natural Resources Yarbrough Bridwell Clements Kircher Wallace Altevogt [204] N. Parker Bridwell Thornton Thornton Hess Kazeck Thompson Hess Thompson
	001	9:30	Marlow	MTWF	PB 1410	034	2:30-4:20	Th	SL 2211	
	002	8:30-10:20	Marlow	F	SL 1215	041	8:30-10:20	F	SL 2211	
	002	9:30	Marlow	MTWTh	PB 1410	042	10:30-12:20	F	SL 2211	
	003	8:30-10:20	Clements	Th	SL 1215	043	12:30-2:20	F	SL 2211	
	003	1:30	Clements	MTWTh	PB 1410	044	2:30-4:20	F	SL 2211	
	004	12:30-2:20	Clements	Th	SL 1215	051	8:30-10:20	S	SL 2211	
	004	1:30	Clements	MTWF	PB 1410	210-4	The Fossil Origins of Man	MTWF	SL 1215	
	005	12:30-2:20	Marlow	F	SL 1215	001	10:30	Conservation of Natural Resources	SL 1215	
	005	11:30	Marlow	MTWF	SL 1215	312-3	2:30	MWF	PB 1410	
204-4	e006	10:30-12:20	Werner	Th	SL 1215	002	10:30	MWF	PB 1410	Kircher Wallace Altevogt [204] N. Parker Bridwell Thornton Thornton Hess Kazeck Thompson Hess Thompson
	e006	6:00-8:20	Werner	T Th	SL 1215	003	10:30	T Th	PB 1410	
	001	The Earth and Its Environment	Yarbrough	TWThF	SL 3114	004	11:30	Th	PB 1410	
	001	9:30	Yarbrough	T	SL 1215	e005	2:30	Th	PB 1410	
	002	8:30-10:20	Yarbrough	MTWThF	SL 3114	320-3	3:30	T Th	PB 1410	
	002	9:30	Yarbrough	M	SL 1215	001	8:30-9:45	Plants and Civilization [204]	PB 1315	
	003	8:30-10:20	Gore	MWThF	PB 1410	001	9:30	Human Reproduction and Development [204]	PB 1315	
	003	12:30	Gore	M	SL 1215	001	10:30	MWF	PB 1315	
	004	12:30-2:20	Gore	TWThF	PB 1410	001	Weather	MTWF	PB 0306	
	004	12:30	Gore	T	SL 1215	001	8:30	MTWF	PB 0306	
Lect 501	e005	4:30	Yarbrough	MWThF	SL 3114	002	12:30	MTWF	PB 0306	Hess Kazeck Thompson Hess Thompson
	e005	3:30-5:20	Yarbrough	T	SL 1215	003	3:30	MTWTh	PB 0306	
	e006	6:00-8:20	Yarbrough	M W	SL 1215	003	Climate	MTWF	PB 0306	
	201	8:30	AC	T	AC	001	9:30	MTWF	PB 0306	
	201	9:30	AC	TWThF	AC	002	10:30	MTWF	PB 0306	
	204-4	Man's Biological Inheritance	Student enrolls in one lecture and one lab.	MTWThF	SL 1105	003	11:30	MTWTh	PB 0306	
	204-4	Student enrolls in one lecture and one lab.	Student enrolls in one lecture and one lab.	M W	SL 1105	004	2:30	MTWTh	PB 0306	
	Lect 501	2:30	Werner	MWF	SL 1105	e005	6:30-8:20	M W	PB 0306	
	Lect 501	2:30	Werner	MWF	SL 1105	e005	6:30-8:20	M W	PB 0306	
	Lect 501	2:30	Werner	MWF	SL 1105	e005	6:30-8:20	M W	PB 0306	

350-3	e001	Atomic Energy	8:30-9:45	M W	SL 2224		024	12:30	MWF	PB 1402	Santoni
	002		12:30	MWF	SL 0226		025	1:30	Th	PB 1316	Steckling
	003		8:30	MWF	LB 0055		026	11:30	MWF	PB 2415	Steckling
356-3	001	Astronomy	11:30	MWF	PB 1315		027	1:30	Th	LB 0056	Steckling
	002	2:30-3:45	T Th		LB 0054		028	12:30	MWF	PB 1402	Steckling
	003	1:30	MWF		PB 1316		029	1:30	Th	PB 2406	Steckling
	004	10:30	MWF		PB 1312		030	12:30	MWF	PB 1402	Steckling
e005		7:30-8:45	T Th		PB 1312		031	1:30	Th	PB 0410	Steckling
363a-3		Philosophy of Science (Same as GSC 363a) [Completion second-level GSA]					032	1:30	MWF	PB 1402	Steckling
	001	9:30	MWF		PB 0307	Emblom	033	2:30	Th	PB 2413	Steckling
	002	1:30	MWF		PB 0307	Emblom	034	1:30	MWF	PB 0303	Steckling
363b-3		Philosophy of Science (Same as GSC 363b) [Completion second-level GSA]					035	1:30	Th	PB 1402	Steckling
	001	10:30	T Th		PB 0307	Wolf	036	3:30	MWF	PB 2413	Steckling
		10:30	F		PB 0406		037	1:30	Th	PB 1402	Steckling
e002		6:30-7:45	T Th		PB 0406	Wolf	038	3:30	Th	PB 2406	Steckling
365-3		Human Origins					039	6:30-8:20	T Th	PB 1410	Kimball
	001	10:30	MTWTh		PB 2306	Denny	201	9:30	MTWTh	AA	Santoni
							e202	6:30-8:20	T Th	AB	Taylor
MAN'S SOCIAL INHERITANCE AND SOCIAL RESPONSIBILITIES (GSB)											
101b-4		Survey of Western Tradition					103a-4	Sociology-Economics			
	001	8:30	MTThF		PB 1306	Haas	e001	5:30-7:20	T Th	PB 1312	Henslin
	002	9:30	MTThF		PB 1306	Haas	002	2:30-4:20	T Th	PB 1312	J. Reynolds
	003	1:30	MTThF		PB 1306	Gallaher	003	2:30-4:20	M W	PB 3303	Blain
	004	2:30	MTThF		PB 1306	Jacobitti	004	1:30	TWThF	PB 2306	Young
	005	1:30-3:20	T Th		PB 1307	Steckling	005	12:30	TWThF	PB 2306	Valentine
e006		6:30-8:20	M W		PB 1306	Gallaher	006	11:30	TWThF	PB 1414	Haas
101c-4		Survey of Western Tradition					007	10:30	TWThF	PB 1414	Valentine
	001	8:30	MWF		PB 1402	Jacobitti	008	10:30	MTWTh	PB 3313	Ashpole
		8:30	T		PB 3311		009	9:30	TWThF	PB 3313	Blain
	002	8:30	MWF		PB 1402	Jacobitti	010	8:30-10:20	T Th	PB 0312	
		8:30	T		PB 2413		011	8:30	M W	PB 0312	
	003	8:30	MWF		PB 1402	Jacobitti		8:30	T Th	PB 2306	
		8:30	T		SL 1220		e201	6:30-8:20	M W	AF	Campbell

004	8:30	MWF	PB 1402	Jacobitti	103b-4	Sociology-Economics	PB 1402
005	10:30	T	PB 0410	Jacobitti	001	10:30 MTWTh	PB 1402
006	8:30	MWF	PB 1402	Jacobitti	002	8:30-10:20 T Th	PB 1315
007	11:30	T	PB 3311	Jacobitti	003	10:30-12:20 M W	PB 0312
008	8:30	MWF	PB 1402	Jacobitti	004	12:30-2:20 T Th	PB 2405
009	11:30	T	SL 1221	Jacobitti	e005	4:30-6:20 M W	PB 2405
010	8:30	MWF	PB 1402	Jacobitti	e006	6:30-8:20 M W	PB 3313
011	12:30	T	PB 0302	Jacobitti	105b-4	The Black Experience in American Life	
012	8:30	MWF	PB 1402	Jacobitti	001	8:30 MTWTh	PB 1312
013	1:30	T	PB 2413	Jacobitti	e002	6:30-8:20 M W	PB 1316
014	9:30	MWF	PB 1402	Taylor	201a-4	The Individual and His Cultural Environment	
015	8:30	T	PB 2409	Taylor	001	11:30 M W	Denny
016	9:30	MWF	PB 1402	Taylor	002	11:30 T Th	PB 0312
017	9:30	T	SL 1221	Taylor	003	9:30 TWThF	Schusky
018	10:30	MWF	PB 1402	Taylor	004	10:30 TWThF	Maloney
019	9:30	T	PB 0303	Taylor	005	12:30 MTWTh	Frisbie
020	11:30	MWF	PB 1402	Taylor	201c-4	2:30-4:20 M W	Aschenbrenner
021	9:30	T	SL 1225	Taylor	e001	The Individual and His Cultural Environment	
022	12:30	MWF	PB 1402	Taylor	002	6:30-8:20 T Th	SL 3114
023	9:30	MWF	PB 1402	Taylor	003	2:30-4:20 T Th	SL 1105
024	12:30	T	PB 1309	Taylor	004	1:30 MTThF	PB 1315
025	9:30	MWF	PB 1402	Taylor	005	10:30 MTWTh	SL 1105
026	1:30	T	PB 3311	Taylor	203a-4	8:30-10:20 T Th	PB 1402
027	9:30	MWF	PB 1402	Taylor	001	American Politics in the World Environment	
028	1:30	T	LB 0056	Santoni	002	8:30 MTWTh	Stahnke
029	12:30	MWF	PB 1402	Santoni	003	9:30 MTWTh	Goodman
030	10:30	Th	PB 0410	Santoni	004	10:30 TWThF	Feeney
031	12:30	MWF	PB 1402	Santoni	005	11:30 MTWTh	Jachim
032	10:30	Th	PB 2406	Santoni	006	12:30 MTWTh	Tubbesing
033	11:30	MWF	PB 1402	Santoni	e007	1:30 MTWTh	McCabe
034	12:30	Th	PB 3311	Santoni	203b-4	4:30-6:20 M W	Wides
035	12:30	MWF	PB 1402	Santoni	001	American Politics in the World Environment	
036	11:30	Th	PB 2406	Santoni	002	11:30 MTWF	Lampe
037	12:30	MWF	PB 1402	Santoni	300a-3	8:30 MTWF	Lampe
038	12:30	Th	SL 1224	Santoni	001	History of the United States: 1492-1815	
039	12:30	MWF	PB 1402	Santoni	002	8:05-9:20 T Th	Barnhart
040	12:30	Th	PB 1309	Santoni	003	8:30 MWF	Wilton
041	12:30	MWF	PB 1402	Santoni	004	9:30 MWF	Barnhart
042	1:30	Th	PB 3311	Santoni	005	2:30 MWF	Brayman
043	12:30	MWF	PB 1402	Santoni		2:30 MTTh	Branz

GSB cont'd.

300b-3	006	3:30	MTTh	PB 1307	Branz	157-5	The Dramatic Media: Theater, Television, and Cinema
	e007	8:30-9:45	M W	PB 1307	Brayman	001	10:30 MTWThF LB 0044
	e008	6:30-7:45	T Th	PB 1307	Nordhauser	002	1:30 MTWThF LB 0044
	300b-3	History of the United States: 1815-1900				e003	7:30-9:20 M W SL 3114
	001	8:30	MWF	PB 1414	McAfee	252-4	Logic [Completion first-level GSC]
	002	11:30	MWF	PB 1307	Nordhauser	001	8:05-9:20 T Th SL 3114
	003	1:30	MWF	PB 1307	Farrar		8:30 F PB 2403
	004	2:30	MWF	PB 1414	Millett	002	8:05-9:20 T Th SL 3114
	005	3:30-4:45	T Th	PB 1306	Rosenthal		8:30 M PB 0406
	e006	6:30-7:45	T Th	PB 1306	Brayman	003	8:05-9:20 T Th SL 3114
	e007	8:30-9:45	M W	PB 1306			10:30 Th LB 0054
300c-3		History of the United States: 1900-Present				004	8:05-9:20 T Th SL 3114
	001	1:30	MWF	PB 2304	Grant		9:30 F PB 2403
	002	2:30	MWF	PB 2304	Riddleberger	005	8:05-9:20 T Th SL 3114
	e003	6:30-7:45	M W	SL 1224	Barnhart		11:30 F PB 1311
302-3		Contemporary Social Problems				006	10:30 MWF SL 3114
	e001	4:30	TWTh	PB 2306	Valentine		8:30 F PB 3302
	002	3:30	WThF	PB 2306	Haas	007	10:30 MWF SL 3114
	003	10:30	TThF	PB 0312	Haas		8:30 Th PB 1410
305-3		Urban Environmental Problems				008	10:30 MWF SL 3114
	001	1:30	TWTh	PB 1412	Roth		11:30 W PB 0309
311-3		Economic Development of the United States				009	10:30 MWF SL 3114
	001	10:30	MWF	PB 2304			10:30 Th LB 0056
312-3		Comparative Economic Systems				010	10:30 MWF SL 3114
	001	11:30	MWF	PB 2304			9:30 F PB 3302
331-3		The American Educational System				011	9:30 MTThF PB 0304
	001	10:30-11:45	T Th	PB 3306	Taylor	012	11:30 MTThF PB 0304
	002	12:00-1:15	T Th	PB 3306	Hildebrand	013	1:30 MTThF PB 0304
	003	1:30-2:45	T Th	LB 0034	Taylor	e014	6:30-8:20 M W PB 0304
	004	1:00-2:15	W F	PB 1414	Richards	e015	8:30-10:20 M W PB 0304
	005	2:30-3:45	W	PB 1306	Richards	253-4	Literary Masterpieces of Antiquity [151]
		2:30-3:45	F	PB 1316		001	8:30 MTThF PB 1311
	006	10:30-11:45	M W	PB 3306	Allsup	002	8:30 MTThF PB 0314
	007	12:00-1:15	M W	PB 3306	Hildebrand	003	9:30 MTThF PB 0314
e008		5:30-8:20	M	PB 3316	Hofmann	004	10:30 MTThF PB 0314
e009		5:30-8:20	T	PB 1311		005	11:30 MTThF PB 0314
e010		5:30-8:20	W	PB 0312	Taylor	006	12:30 MTThF PB 0314
						007	1:30 MTThF PB 0314
						008	1:30 MTThF PB 2410

341-3

Marriage

341-3

Marriage

341-3

Marriage

341-3

Marriage

336-3	001	Studies in the Novel [Completion second-level GSC]	013	9:30	MWF	PB 3311
	e002	2:30-3:45 T Th PB 3302	014	9:30	MWF	PB 2415
337-3		6:30-7:45 T Th PB 3117	015	12:30-1:45	T Th	PB 3409
		The English Language Heritage [Completion second-level GSC]	016	9:30-10:45	T Th	PB 3422
		9:30 MWF PB 3117	017	9:30-10:45	T Th	PB 3409
339-3	001	Classical Mythology and Its Influence [Completion second-level GSC]	018	9:30-10:45	T Th	PB 3312
		12:30 MWF PB 0309	019	10:30	MWF	PB 3422
341-3	001	Modern Art B	020	10:30	MWF	PB 3409
345b-3	001	2:30 MWF LB 0044 Richardson	021	10:30	MWF	PB 3312
		Masterpieces of World Literature [Completion second-level GSC]	022	10:30	MWF	PB 3311
354b-3	001	8:30 MWF PB 2409 Guenther	023	10:30	MWF	PB 2415
		History of the Theater	024	12:30-1:45	T Th	PB 3312
354c-3	001	9:30 MWF LB 0034 Birdman	025	11:05-12:20	T Th	PB 3422
		History of the Theater	026	11:05-12:20	T Th	PB 3409
358-3	001	11:30 MWF LB 0034 Archer	027	11:05-12:20	T Th	PB 3312
		Jazz	028	11:30	MWF	PB 3422
		12:30 MWF PB 3404 Hicks	029	11:30	MWF	PB 3409
363a-3	001	Philosophy of Science (Same as GSA 363a) [Completion second-level GSC]	030	11:30	MWF	PB 3312
		9:30 MWF PB 0307 Embloom	031	11:30	MWF	PB 3311
	002	1:30 MWF PB 0307 Embloom	032	11:30	MWF	PB 2415
363b-3		Philosophy of Science (Same as GSA 363b) [Completion second-level GSC]	033	12:30-1:45	T Th	PB 3422
		10:30 T Th PB 0307 Wolf	034	12:30	MWF	PB 3422
		10:30 F PB 0406	035	12:30	MWF	PB 3409
	e002	6:30-7:45 T Th PB 0406	036	12:30	MWF	PB 3312
375-3		Ethics [Completion second-level GSC]	037	12:30	MWF	PB 3311
	001	10:30 MTTh PB 1307 Seligman	038	12:30	MWF	PB 2415
	002	12:30 MTTh PB 0406 Seligman	039	9:30-10:45	T Th	PB 2413
	003	2:30 MTTh PB 2411 Broyer	040	1:30	MWF	PB 3422
	e004	8:30-9:45 M W PB 0406 Broyer	041	1:30	MWF	PB 3409
390-3		Existentialism [Completion second-level GSC]	042	1:30	MWF	PB 3312
	001	1:30 T Th PB 0307 Hamrick	043	1:30	MWF	PB 3311
		1:30 F PB 0403	044	1:30	MWF	PB 2415
			045	9:30-10:45	T Th	PB 3311
			046	2:05-3:20	T Th	PB 3422
			047	2:05-3:20	T Th	PB 3409
			048	2:05-3:20	T Th	PB 3312
			049	2:30	MWF	PB 3422
			050	2:30	MWF	PB 3409

ORGANIZATION AND COMMUNICATION OF IDEAS (GSD)

100-1	Study Skills	001	2:30-4:20	M	PB 1313	051	2:30	MWF	PB 3312	Robinson
		002	2:30-4:20	T	PB 1313	052	2:30	MWF	PB 3311	
		003	2:30-4:20	W	PB 1313	053	2:30	MWF	PB 2415	
101a-3	English Composition	001	8:05-9:20	T Th	PB 2414	054	2:30	MWF	PB 2413	Glenn
		002	8:30	MWF	PB 2414	055	3:30	MWF	PB 3422	
		003	8:30	MWF	PB 0410	056	3:30	MWF	PB 3409	
101b-3	English Composition [101a]	004	9:30	MWF	PB 2414	057	3:30	MWF	PB 3312	Estes
		005	9:30	MWF	PB 2413	058	3:30	MWF	PB 3311	
		006	9:30-10:45	T Th	PB 2414	059	3:30	MWF	PB 2415	
103-3	Oral Communication of Ideas	007	10:30	MWF	PB 2414	e060	6:30-7:45	M W	PB 3422	Stoppe
		008	10:30	MWF	PB 2413	e061	8:30-9:45	M W	PB 3422	
		009	11:05-12:20	T Th	PB 2414	e062	6:30-7:45	T Th	PB 3422	
103-3	Oral Communication of Ideas	010	11:30	MWF	PB 2414	e063	8:30-9:45	T Th	PB 3422	Estes
		011	11:30	MWF	PB 2413	e201	8:30-9:45	T Th	AC	
		012	12:30	MWF	PB 2414	e001	4:30-5:45	T Th	LB 0058	
103-3	Oral Communication of Ideas	013	12:30	MWF	PB 2414	002	2:30	MWF	LB 0058	Goeh
		014	1:30	MWF	PB 2413	003	2:30	MWF	PB 0410	
		015	1:30	MWF	PB 2414	004	1:30-2:45	T Th	LB 0058	
103-3	Oral Communication of Ideas	016	2:05-3:20	T Th	PB 2414	005	1:30	MWF	CB 0194	Estes
		017	2:30	MWF	PB 2414	006	1:30	MWF	LB 0058	
		018	3:30	MWF	PB 2414	007	1:30	T Th	PB 0410	
103-3	Oral Communication of Ideas	e019	6:30-7:45	T Th	PB 2414	008	1:30	F	PB 3316	Estes
		e020	8:30-9:45	M W	PB 2414	009	1:30	M W	PB 0410	
		001	8:05-9:20	T Th	PB 3422	010	12:30	MWF	PB 3316	
103-3	Oral Communication of Ideas	002	8:05-9:20	T Th	PB 3409	011	12:30	MWF	PB 0410	Kluth
		003	8:05-9:20	T Th	PB 3312	012	12:30	F	LB 0058	
		004	8:30	MWF	PB 3422	013	12:30	M	PB 3316	
103-3	Oral Communication of Ideas	005	8:30	MWF	PB 3409	014	12:30	W	CB 0186	Mulvany
		006	8:30	MWF	PB 3312	015	11:30	F	PB 0408	
		007	8:30	MWF	PB 3311	016	11:30	T Th	PB 3316	
103-3	Oral Communication of Ideas	008	8:30	MWF	PB 2415	017	11:30	F	PB 0410	Tirre
		009	8:30	MWF	PB 0309	018	11:30	M W	PB 3315	
		010	9:30	MWF	PB 3422	019	11:30	F	PB 0410	
103-3	Oral Communication of Ideas	011	9:30	MWF	PB 3409	020	11:30	T Th	PB 3315	Goeh
		012	9:30	MWF	PB 3422	021	11:30	F	LB 0058	
		013	9:30	MWF	PB 3409	022	11:30	T Th	PB 3316	

GSD cont'd.

GSD cont'd.

016	11:30	MW	LB 0058	Goehe			
017	11:30	F	PB 3316	Thomas			
018	10:30	MWF	LB 0058	Goehe			
019	10:30	T Th	LB 0058				
	10:30	F	PB 3316				
020	10:30	MW	CB 0186	Goehe			
021	10:30	F	PB 3316				
022	10:30	MWF	PB 0410	Hawkins			
023	9:30	T Th	PB 0410	Hawkins			
	9:30	F	PB 3315				
024	9:30	MW	PB 0410	Hawkins			
025	9:30	F	PB 3315				
026	9:30	T Th	LB 0058	Robinson			
	9:30	F	PB 3316				
027	9:30	MW	LB 0058	Robinson			
028	9:30	F	PB 3316				
029	8:30	T Th	LB 0058	Robinson			
	8:30	F	PB 3316				
030	8:30	MW	LB 0058	Robinson			
031	8:30	F	PB 3316				
032	8:30	MW	LB 0058	Salden			
033	8:30	F	PB 3316	Salden			
034	8:30	MW	LB 0058				
035	8:30	F	PB 3316				
036	8:30	MW	LB 0058				
037	8:30	F	PB 3316				
038	8:30	MW	LB 0058				
039	8:30	F	PB 3316				
040	8:30	MW	LB 0058				
041	8:30	F	PB 3316				
042	8:30	MW	LB 0058				
043	8:30	F	PB 3316				
044	8:30	MW	LB 0058				
045	8:30	F	PB 3316				
046	8:30	MW	LB 0058				
047	8:30	F	PB 3316				
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062	8:30	MW	LB 0058				
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066	8:30	MW	LB 0058				
067	8:30	F	PB 3316				
068	8:30	MW	LB 0058				
069	8:30	F	PB 3316				
070	8:30	MW	LB 0058				
071	8:30	F	PB 3316				
072	8:30	MW	LB 0058				
073	8:30	F	PB 3316				
074	8:30	MW	LB 0058				
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076	8:30	MW	LB 0058				
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078	8:30	MW	LB 0058				
079	8:30	F	PB 3316				
080	8:30	MW	LB 0058				
081	8:30	F	PB 3316				
082	8:30	MW	LB 0058				
083	8:30	F	PB 3316				
084	8:30	MW	LB 0058				
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102	8:30	MW	LB 0058				
103	8:30	F	PB 3316				
104	8:30	MW	LB 0058				
105	8:30	F	PB 3316				
106	8:30	MW	LB 0058				
107	8:30	F	PB 3316				
108	8:30	MW	LB 0058				
109	8:30	F	PB 3316				
110	8:30	MW	LB 0058				
111	8:30	F	PB 3316				
112	8:30	MW	LB 0058				
113	8:30	F	PB 3316				
114	8:30	MW	LB 0058				
115	8:30	F	PB 3316				
116	8:30	MW	LB 0058				
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229	8:30	F	PB 3316				
230	8:30	MW	LB 0058				
231	8:30	F	PB 3316				
232	8:30</						

GSE cont'd.

117e-1	001	Intermediate Contemporary Dance	M W	LB 0033	M. Martin
117f-1	e001	Basic Rhythms	T Th	LB 0033	Carpenter
	002		T Th	LB 0033	Carpenter
118b-1		Badminton			
	201	9:30	T Th	Gym 102	Whitted
118d-1		Bowling			
	001	11:30	T Th	UC 0017	Lee
	002	10:30	M W	UC 0017	Gallatin
	003	10:30	T Th	UC 0017	Lee
	004	9:30	M W	UC 0017	Gallatin
	005	9:30	T Th	UC 0017	Showers
	006	8:30	M W	UC 0017	Lee
	007	8:30	T Th	UC 0017	Showers
118f-1		Billiards			
		Meets first six weeks only.			
	001	8:30	MTWTh	UC 0017	Hendricks

Meets first six weeks only.

118i-1	e201	5:30	M W	Gym 102	Hendricks
		Volleyball			
118m-1	201	11:30	T Th	Gym 102	Whitted
		Fencing			
118r-1	001	10:30-12:20	F	LB 0033	M. Martin
		Stunts and Tumbling			
118s-1	201	9:30	M W	Gym 102	Polizzano
		Gymnastics			
	201	(Men) 8:30	M W	Gym 102	Polizzano
	202	(Women) 10:30	M W	Gym 102	Polizzano
118z-1		Recreational Sports			
	001	9:30	W	LB 0055	J. Martin
		9:30	F	LB 0058	
201-3		Healthful Living			
	e001	5:30-8:20	W	PB 1402	Buddell
	002	3:30	MWF	SL 3114	Buddell
	003	1:30	MWF	LB 0034	Buddell
	004	11:30	MWF	PB 1312	J. Martin
	005	10:30	MWF	LB 0034	McBride

Acct cont'd.

530-4		Conceptual Framework of Accounting [MBA students only]			
	201	1:30-4:20	T	LH 104	
		3:00-4:20	Th	LH 104	
533-4		Managerial Accounting			
	e201	5:30-9:50	M	LH 104	
ADMINISTRATIVE SERVICES (AD S)					
300-4		Introduction to Data Processing			
	001	10:30-12:20	T Th	CB 0186	
301-4		Computer Programming [300]			
	e001	8:30-10:20	M W	CB 0186	
427-4		Information Storage and Retrieval Systems			
	e001	6:30-8:20	M W	PB 2411	

AEROSPACE STUDIES (A S)

340-0		Corps Training [By permit only, concurrent enrollment in 352]			
	001	TBA			Blahous
350-2		Flight Regulations and Navigation [By permit only]			Blahous
	001	TBA			Blahous
352-3		Professional Officer Course [By permit only, concurrent enrollment in 340]			
	001	8:30	MWTh	PB 2413	Blahous
	002	1:30	MWTh	PB 2413	Eberwine

ANTHROPOLOGY (ANTH)

305c-3		Peoples and Cultures of the World: Oceania			
	001	12:30	MTWTh	PB 1412	Aschenbrenner
404-4		Primitive Art and Technology			
	001	2:30-4:20	T Th	PB 2415	Frisbie
405-4		Social Anthropology			
	001	11:30	TWThF	CB 0194	Schusky
416-4		Culture Change			
	001	10:30	MTWTh	CB 0194	Voget

310a,b,c-4 001	Painting [202d] 8:30-11:20	T Th	Wagner 198	Hampton	302d-5 001	Concepts at the Organism Level [302a, 12:30	MWThF	LB 0034	Chem 1111c] Peterson
002	8:30-10:20	S	Wagner 198	Davis	002	8:30-11:20	T	SL 3218	Peterson
349b-3 001	9:30-12:20	M W	Wagner 198	Davis	003	12:30	MWThF	LB 0034	Peterson
002	9:30-11:20	F				11:30-2:20	T	SL 3218	Peterson
358a,b,c-4 001	Renaissance and Baroque Art 11:30	MWF	PB 0307	Burnett	303b-3 001	12:30	MWThF	LB 0034	Peterson
002	Prints [202b] 2:30-5:20	MWF	SL 0218	Butler	304b-3 001	2:30-5:20	T	SL 3218	Peterson
384a-4 001	8:30-11:20	TThS	SL 0218	Malone	303b-3 001	Concepts at the Population Level [200] 1:30	MWF	SL 2224	Broadbooks
002	Weaving 2:30-4:20	TWThF	SL 0222	Buddemeyer	304b-3 001	Medical Microbiology [304a] 10:30	MWF	PB 0307	Davis
386b-4 001	Jewelry [386a] 1:30-3:20	MTWTh	SL 0205	Baber	304c-2	Medical Microbiology Laboratory [304b or concurrent enrollment] 11:30-2:20	T Th	SL 3217	Davis
393a,b-4 001	Sculpture [202a] 1:30-3:20	TWThF	Wagner 193	Marcell	002	2:30-5:20	T Th	SL 3217	Davis
002	10:30-12:20	MWThF	Wagner 193	Adkins	312b-4 001	Human Anatomy and Physiology [312a] 3:30	MWF	SL 1105	Ratzlaff
393c-4 001	Sculpture [202a] 1:30-4:20	T Th	Wagner 193	Marcell	002	8:30-11:20	Th	SL 3218	Ratzlaff
401-4 e001	Research in Painting [310-8] 6:30-9:20	T Th	Wagner 198	Huntley	003	3:30	MWF	SL 1105	Ratzlaff
402-4 001	Research in Sculpture [393-8] 1:30-4:20	T Th	Wagner 193	Marcell	004	11:30-2:20	Th	SL 3218	Ratzlaff
405-4 e001	Studio in Sculpture [393-8] 6:30-9:20	T Th	Wagner 193	Marcell	390b-0.3 001	3:30	MWF	SL 1105	Ratzlaff
406-4 001	Studio in Painting 1:30-4:20	M W	Wagner 193	Davis	405-4 001	5:30-8:20	Th	SL 3218	Ratzlaff
410-4 001	Research in Prints [358-8] 11:30-3:20	T Th	SL 0218	Malone	415-4 001	Undergraduate Biology Seminar 4:00	T	SL 3114	R. Parker
420-4 e001	Research in Pottery [305-8] 1:30-4:20	TThS	Wagner 192	Cannon	423-4 e001	Physiological Chemistry [301e] 8:30	MTWF	SL 1220	Baich
426-4 001	Studio in Pottery [305-8] 1:30-4:20	TThS	Wagner 192	Cannon	458-5 001	Experimental Embryology [301c] 1:30	M W	SL 1220	N. Parker
441b-3 e001	Studio in Drawing [12 hours of 300-level art] 6:30-9:20	M W	SL 0225	Davis	002	2:30-5:20	M	SL 3217	N. Parker
448b-3 001	Early Medieval and Romanesque Art 2:30-3:45	T Th	LB 0055	Hilberry	423-4 e001	1:30	M W	SL 1220	N. Parker
460-4	Research in Art Education [By permit only]				458-5 001	1:30-4:20	F	SL 3217	N. Parker
					423-4 e001	Principles of Parasitism 6:30-10:20	T Th	SL 3210	Myer
					458-5 001	Functional Morphology of Vertebrates 10:30	W	SL 1221	Axtell
						10:30	F	PB 3315	

480-4	Research in Art Education [By permit only]	4:30-6:20	T Th	SL 0222	Holm	493-2 to 8	Research in Biology [By permit only]	001	TBA	SL 3210
483-3	Research in Art History	TBA			Richardson	590-0.4	Graduate Biology Seminar	001	4:00-5:00	T SL 3114 R. Parker
501-4	Graduate Painting	6:30-9:20	T Th		Huntley	591-1 to 4	Readings in Biology [By permit only]	001	TBA	
502-4	Graduate Sculpture	6:30-9:20	T Th		Marcell	593-1 to 4	Special Problems in Biology [By permit only]	001	TBA	
511-4	Graduate Print-making	4:30-7:20	T Th		Malone	595-2	Topics in Cellular and Molecular Biology [By permit only]	001	TBA	
520-4	Graduate Ceramics	1:30-4:20	Th		Cannon	596-2	Topics in Organismic Biology [By permit only]	001	TBA	Kulfiniski
560-4	Seminar in Art Education	6:30-10:20	T		Holm	599-2 to 9	Research and Thesis [By permit only]	001	TBA	Nair
566-4	Research in Art Education	6:30-10:20	Th		Holm					
571-4	Readings in Art History	TBA			Hilberry					
599-5 to 9	Thesis									
	TBA									
BIOLOGY (BIOL)										
301a-4	Concepts at the Cellular Level [200, Chem 305a or 314a]	9:30	MWF	PB 2306	Levy	449-1 to 4	Independent Study in Business Administration [Consent of instructor and chairman]	001	TBA	
001	11:30-2:20	M		SL 3218		541-4	Business and Its Legal Environment [MBA students only]	201	8:30-11:20	M LH 104
002	9:30	MWF		PB 2306	Levy				8:30-9:50	F LH 104
003	2:30-5:20	M		SL 3218		544-4	The Methodology of Business Research [M S 510, 511, 580]	e001	5:30-9:50	T PB 3303
004	9:30	MWF		PB 2306	Levy	545-4	The Social Framework of Business [541]	e001	5:30-9:50	W PB 3303
	2:30-5:20	F		SL 3218						
302a-5	Concepts at the Organism Level [200]	9:30	T Th	PB 2306	Thomerson	BUSINESS COMMUNICATIONS (B C)				
001	10:30-12:20	MWF		SL 3210		390-4	Business Communications [GSB 101, concurrent enrollment in GBA 340]	e001	8:30-10:20	M W PB 3302
002	9:30	T Th		PB 2306	Thomerson	e002	8:30-10:20	T Th		PB 3302
003	12:30-2:20	MWF		SL 3210						
	9:30	T Th		PB 2306	Thomerson					
	2:30-4:20	MWF		SL 3210						

BUSINESS EDUCATION (BS ED)

201a-3	Typewriting TBA	PB 3415
201b-3	Typewriting [201a or equivalent]	PB 3415
201c-3	Typewriting [201b or equivalent]	PB 3415
221a-4	Shorthand and Transcription Student may attend any two sessions: mornings, evenings, or a combination per week.	
001	9:30 T Th	PB 3417
Lab	e6:30 T Th	PB 3417
221b-4	TBA	PB 3417
	Shorthand and Transcription [221a or equivalent]	
	Student may attend any two sessions: mornings, evenings, or a combination per week.	
001	9:30 M	PB 3417
Lab	e6:30 M	PB 3417
221c-4	TBA	PB 3417
	Shorthand and Transcription [221b or equivalent]	
	Student may attend any two sessions: mornings, evenings, or a combination per week.	
001	9:30 M	PB 3417
Lab	e6:30 M	PB 3417
304-3	TBA	PB 3417
001	Advanced Typewriting [201c or equivalent]	PB 3415
324a-4	TBA	
	Advanced Shorthand and Transcription [221c or equivalent]	
001	TBA	PB 3417
324b-4	Advanced Shorthand and Transcription [324a or equivalent]	
001	TBA	PB 3417
341-4	Office Machines	
001	8:30-10:20 T Th	PB 3412
350-4	Consumer Income Management	
001	12:30-2:20 M W	PB 3315
351-4	Foundations of Business Education	

e001	4:30-6:20	T Th	PB 3302	
405-4	Teaching General Basic Business Subjects			
001	2:30-4:20	M W	PB 0408	
414b-3	Organizational and Administration of Cooperative Vocational Business Education Programs			
e001	5:30-8:20	M	PB 2410	
503-4	Tests and Measurements in Business Education [C Ed 420 or Econ 307 or Math 410]			
e001	5:30-8:20	Th	PB 1313	
530-4	Research Seminar in Business Education [502]			
e001	5:30-8:20	W	PB 1313	
590-2 to 5	Readings in Business Education			
001	TBA			

CHEMISTRY (CHEM)

110-4	General and Inorganic Chemistry [GSD 114a or equivalent]			
001	12:30	MWF	PB 1315	Parrill
002	8:30-11:20	M	SL 2215	
003	12:30	MWF	PB 1315	
	8:30-11:20	W	SL 2215	
	12:30	MWF	PB 1315	
	8:30-11:20	F	SL 2215	
125a-5	Chemical Structure and Dynamics [105 or satisfactory ACT score]			
e001	5:30-7:20	M W	SL 3114	Firsching
e002	7:30-10:20	M	SL 2215	
e003	5:30-7:20	M W	SL 3114	
	7:30-10:20	W	SL 2215	
	5:30-7:20	M W	SL 3114	
e004	2:30-5:20	M	SL 2215	
	5:30-7:20	M W	SL 3114	
e005	2:30-5:20	W	SL 2215	
	5:30-7:20	M W	SL 3114	
	2:30-5:20	F	SL 2215	
125b-5	Chemical Structure and Dynamics [125a]			
001	8:30	MWF	SL 1105	Hall
	8:30-11:20	S	SL 2215	
	11:30-2:20	W	SL 2215	

COUNSELOR EDUCATION (C ED)

305-4	Educational Psychology [By permit only, 006 for Ed S students only; 007 and 008 for ITEP students only.]			
	Additional hours TBA for Section 005.			
001	8:30-10:20	M W	PB 2403	Forhetz
002	1:30-3:20	M W	PB 2403	Repovich
003	8:30-10:20	T Th	PB 2403	
004	1:30-3:20	T Th	PB 2403	Troyer
e005	5:30-8:20	M	PB 2403	Repovich
006	10:30-12:20	T Th	PB 0403	Forhetz
007	2:30-4:20	T Th	PB 0403	Ahlbrand
008	2:30-4:20	T Th	PB 2304	Russo

C Ed cont'd.

422-4	Educational Measurements Additional hours TBA.				
e001	5:30-8:20	M	PB 0314	Forhetz	
501-4	Special Research Problems TBA			Repovich	
e001	5:30-8:20	Th	PB 2403	Troyer	
511-4	Educational Implications of Learning Theories				
e001	5:30-8:20	M	PB 2412	King	
519-4	Statistical Methods				
e001	5:30-8:20	T	PB 2412	King	
e002	5:30-8:20	W	PB 0314	King	
522-4	Advanced Educational Testing				
e001	5:30-8:20	T	PB 2412	King	
537-4	Counseling Theory and Practice I				
e001	5:30-8:20	M	PB 1308	Combs	
e002	5:30-8:20	M	PB 2406	Pippert	
538-4	Counseling Theory and Practice II [For e002 consent of instructor, concurrent enrollment in Ed Fd 563-4, e001 required]				
e001	5:30-8:20	M	Pract Ctr	Soper	
e002	5:30-8:20	T	Pract Ctr	Chenault	
541-4	Occupational Information and Guidance				
e001	5:30-8:20	W	PB 2412	Gray	
542-4	Basic Principles of Guidance				
e001	5:30-8:20	Th	PB 1308	Moore	
e002	5:30-8:20	W	PB 1308	Soper	
543-4	Guidance Through Groups				
e001	5:30-8:20	T	Tract 44	Gray	
e002	5:30-8:20	W	Tract 44	Combs	
e003	5:30-8:20	M	Tract 44	Chenault	
545f-4	Seminar in Guidance: Pupil Adjustment				
001	9:00-12:00	S	PB 0314	Meredith	
545j-4	Seminar in Guidance: Organization and Administra- tion				
e001	5:30-8:20	Th	PB 2412	Davis	
562a-4	Child Development in Education				
e001	5:30-8:20	M	PB 0408	Troyer	
562b-4	Adolescent Development in Education				
e001	5:30-8:20	Th	PB 0314		

Econ cont'd.

441-4	Intermediate Macro Theory [200, 201 or consent of instructor]				
001	2:30-4:20	M W	PB 3302		
512-4	Labor Economics [310 or 411 or consent of instruc- tor]				
e001	6:30-9:20	W	PB 2306		
543-4	Seminar in Economic Policy [440 or 441 or consent of instructor]				
e001	6:30-9:20	S	PB 2306		
e001	6:30-9:20	T	PB 0309		
582-4	Economic Behavior [400 or equivalent or consent of instructor]				
e001	6:30-9:20	S	PB 0309		
e001	6:30-9:20	Th	PB 1311		
591-4	Seminar in Analytic Approaches to Economic De- cisions [Consent of instructor]				
e201	10:30	S	PB 1311		
e201	5:30-9:50	W	LH 104		
EDUCATION ADMINISTRATION (ED AD)					
501-4	Seminar in Educational Administration				
e001	5:30-8:20	T	PB 0410	Helsel	
505-4	Current Problems in Educational Administration				
e001	5:30-8:20	M	PB 0307	Ackerlund	
511a-4	Internship Practicum [Consent of instructor]				
001	TBA				
517-4	Research Seminar in Educational Administration				
e001	5:30-8:20	Th	PB 3312	Helsel	
518-4	Cases and Simulation in Administrative Decision Mak- ing				
e001	5:30-8:20	W	PB 0307	Pierce	
519-4	Legal Basis of American Education				
e001	5:30-8:20	Th	PB 2415	Ackerlund	
520-4	Illinois School Law				
e001	9:00-11:40	S	PB 0307	Wilkins	
524-4	Fundamentals of Educational Administration				
e001	5:30-8:20	T	PB 2415	Krchniak	

001 TBA Moore, Gray,
Rohen,
Soper

DEANS COLLEGE (DC)

Deans College courses will be arranged as needed for those students registered in the Deans College. Student should contact Dr. Howard Davis, Coordinator, for permission to enroll in these courses.

ECONOMICS (ECON)

200-4 Macroeconomics [Sophomore standing]

001 8:30-10:20 T Th PB 3303
002 10:30-12:20 M W PB 3303
e003 4:30-6:20 T Th PB 2405
e004 8:30-10:20 M W PB 2403

201-4 Microeconomics [Sophomore standing]

001 8:30-10:20 M W PB 3302
002 10:30-12:20 T Th PB 3302
003 12:30-2:20 M W PB 2405
e004 6:30-8:20 T Th PB 3315

300-4 The Monetary System and Economic Policy [200, 201]

001 2:30-4:20 M W PB 3316
002 2:30-4:20 T Th PB 3316

310-4 Labor Problems [200, 201]

e001 6:30-8:20 M W PB 3302
Intermediate Micro Theory [201]

e001 6:30-8:20 T Th PB 3302

409-1 to 4 Independent Study in Economics [340 or 441, consent of chairman]

001 TBA

411-4 Collective Bargaining and Dispute Settlement [200, 201]

e001 8:30-10:20 M W PB 0306

429-4 International Economics [200, 201]

001 12:30-2:20 T Th PB 3316

532-4 Public Opinion, Propaganda, and Education
e001 5:30-8:20 W PB 1410 Masters

534-4 School Finance
e001 5:30-8:20 W PB 0309 Wilkins

536-4 Introduction to Systems Analysis in Educational Administration
e001 5:30-8:20 T PB 1309 Lows

555-4 Educational Supervision
e001 5:30-8:20 Th PB 0306 Lows

557-4 Elementary School Organization and Administration
e001 5:30-8:20 M PB 0309 Andree

563-4 School Public Relations
e001 5:30-8:20 W PB 0410 Andree

575a-k-2 to 4 Individual Research [Consent of chairman]
001 TBA

596-5 to 9 Field Study [Consent of chairman]
001 TBA

ELEMENTARY EDUCATION (ED EL)

203-4 Understanding the Elementary School Child [GSB 201c]

001 12:30-2:20 T Th PB 0409 Kuenzli

314-4 Elementary School Methods [Ed Ad 355, consent of Education Division Student Services Office]

Four extra sessions TBA for Section 004.

001 8:30-10:20 M W PB 0403 Kuenzli

002 8:30-10:20 T Th PB 0409 Kuenzli

003 12:30-2:20 M W PB 0403 Cauble

e004 5:30-8:20 W PB 1315 Carpenter

350-4 to 12 Kindergarten-Primary Student Teaching [C Ed 305, Ed Ad 355, 316, approval of elementary education adviser]

001 TBA

351-4 to 16 Elementary Student Teaching [314, C Ed 305, Ed Ad 355, other courses listed in each area of concentration, approval of elementary education adviser]

001 TBA

413-4	Children's Literature [C Ed 305] Four extra sessions TBA for Section 002.	
001	2:30-4:20 M W	Darnell
e002	5:30-8:20 M	Darnell
415-4	Improvement of Instruction in Arithmetic in the Elementary School	
001	10:30-12:20 M W	O'Brien
002	9:00-11:40 S	O'Brien
437-4	Problems in Reading [Ed Rd 337] Additional tutoring sessions TBA.	
001	2:30-4:20 M W	Bear
442-4	Teaching Science in the Elementary School [314] Additional hours TBA.	
e001	5:30-8:20 W	Bliss
443-4	Teaching the Social Studies in the Elementary School Four extra sessions TBA.	
e001	5:30-8:20 T	LB 0034 Carpenter
505-4	Improvement of Reading Instruction	
e001	5:30-8:20 Th	PB 0413
e002	5:30-8:20 W	PB 0406 Turner
507-4	Readings in Reading [505, consent of chairman] TBA	
001		
513-4	Materials and Methods for the Assessment of the Disabled Reader [505]	
e001	5:30-8:20 M	PB 0409 Richardson
514-4	Organization and Administration of Reading Programs [561]	
e001	5:30-8:20 T	PB 0409 Richardson
518-4	Supervision of Student Teaching	
e001	5:30-8:20 Th	PB 0409 Wehling
521a-4	Diagnosis and Correction of Reading Disabilities [513, consent of instructor] Student enrolls for lecture and one clinic.	
eLect	7:00-8:45 W	PB 0403 Bear
eClinic 1	4:30-5:45 W	PB 0405 Bear
eClinic 2	5:45-7:00 W	PB 0405 Bear
521b-4	Diagnosis and Correction of Reading Disabilities [521a, Consent of instructor]	

554-4	Philosophic Inquiry and Educational Issues	
e001	5:30-8:20 W	PB 2413 Villemain
563-4	Seminar in Philosophy of Education [Consent of instructor, concurrent enrollment in C Ed 538-4, e002 required]	
e001	5:30-8:20 Th	PB 1402 Hofmann
575a-e-2 to 4	Individual Research [Consent of chairman] TBA	
001		

EDUCATION READING (ED RD)

337-4	Reading in the Elementary Schools [314, C Ed 305, Ed Ad 355] Four extra sessions TBA for Section 004.	
001	2:30-4:20 T Th	PB 0409 Starr
002	12:30-2:20 M W	PB 0409 Starr
003	8:30-10:20 M W	PB 0409 Starr
e004	5:30-8:20 T	PB 0403

SECONDARY EDUCATION (ED S)

315-4	Secondary Methods [Ed Ad 355, consent of Education Division Student Services Office and instructor]	
001	9:30-11:20 W	PB 0309 Wilson
	9:30-11:20 F	PB 0409
002	10:30-12:20 M W	PB 0409 Madson
003	10:30-12:20 T Th	PB 0409 Keefe
e004	5:30-9:00 Th	PB 0312 Wilson
e005	7:00-10:20 Th	PB 0312 Wilson
006	12:30-2:20 T Th	PB 0403 Schnabel
352-8	to 16 Secondary Student Teaching [315, consent of Education Division Student Services Office] Specific sections cover each subject offered in secondary schools.	

002 to 025 TBA

407-4 The Middle and Junior High School
Additional hours TBA.

575a-j-4	001	Individual Research [Consent of chairman]
580-4	e001	TBA
581-4	e001	Research Seminar in Urban Education 5:30-8:20 T PB 0413 Gore
591-4	e001	Research Seminar in Secondary Education 5:30-8:20 W SL 2231 Ahlbrand
596-5	to 9	Current Education Practices in Secondary Schools 8:30-11:50 S PB 0302 Brown
599-3	to 9	Field Study [Consent of chairman]
	001	TBA
	001	Thesis [Consent of chairman]
	001	TBA

ENGINEERING (ENGR)

101a-3	Engineering Graphics	
001	1:30-3:20	MWF SL 1216
101b-3	Engineering Graphics	
001	8:30-10:20	MWF SL 1216
002	10:30-12:20	MWF SL 1216
e003	6:30-9:20	M Th SL 1216
200b-3	Circuit Analysis [Math 150a]	
001	2:30	MWF SL 2224
e002	5:00-6:20	T Th PB 0303
230-3	Engineering Geology	
001	2:30	MWF PB 0303
260a-4	Engineering Mechanics [Math 250]	
001	9:30	MWThF SL 1220
260b-4	Engineering Mechanics [260a]	
e001	7:30-9:20	M W SL 0226
310a-3	Physical Electronics [200, Phys 300]	
001	12:30	MWF SL 1220
	12:30	T SL 1221
311b-3	Engineering Materials [311a]	
001	10:30	MWF SL 1220
312b-1	Engineering Materials Laboratory enrollment in 311b]	
001	9:30-12:20	S SL 0116a

302b-4		Survey of English Literature: 1660-1830 [Completion of second-level GSC]	
001	10:30	MTThF	PB 0309
002	1:30	MTThF	PB 0309
e003	8:30-10:20	T Th	PB 0307
302c-4		Survey of English Literature: 1830 to Present [Completion of second-level GSC]	
001	9:30	MTThF	PB 0408
309a-4		Survey of American Literature [Completion of second-level GSC]	
001	1:30	MTThF	PB 0408
e002	6:30-8:20	T Th	PB 0408
309b-4		Survey of American Literature [Completion of second-level GSC]	
001	2:30	MTThF	PB 0309
e002	6:30-8:20	T Th	PB 0307
391-3		Usage in Spoken and Written English [Completion of second-level GSC]	
001	8:30	MWF	PB 0307
002	12:30	MWF	PB 0307
003	3:30	MWF	PB 0309
e004	8:30-9:45	M W	PB 0309
403-4		History of the English Language [Completion of second-level GSC, junior standing]	
001	9:30	MTThF	PB 1308
404-4		Middle English Literature: Early Chaucer Poems and Troilus [Completion of second-level GSC, junior standing]	Van Syoc
e001	4:30-6:20	M W	PB 3422
412c-4		English Nondramatic Literature: 18th Century [Completion of second-level GSC, junior standing]	Drake
e001	8:30-10:20	M W	PB 3409
420a-4		American Poetry: To 1900 [Completion of second-level GSC, junior standing]	Graham
e001	6:30-8:20	T Th	PB 3409
421d-4		English Poetry: Modern British Poets [Completion of second-level GSC, junior standing]	Havens
001	2:30	MTThF	PB 1308
			Hoyenga

- 560-4 Studies in Renaissance Drama: Shakespeare's Contemporaries [Graduate standing]
e001 8:30-10:20 T Th PB 1302 Taylor
- FINANCE (FIN)**
- 320-4 Corporation Finance [Acct 332, 333, Econ 200, 201]
001 10:30-12:20 M W PB 3315
002 8:30-10:20 M W PB 3315
523-4 Financial Management [520]
e001 5:30-9:50 Th PB 3303

FOREIGN LANGUAGE (F L)

- 399-2 Readings [By permit only]
001 11:30 W S PB 0406
002 10:30 W S PB 1302
003 10:30 W S PB 1313
004 9:30 W S PB 0408
005 9:30 W S PB 0413

FRENCH (FREN)

- 123b-1 French Conversation [Concurrent enrollment in GSD 123b]
e001 7:55-8:20 T Th PB 2409
002 1:30 F PB 2409
003 11:30 F PB 2409
004 9:30 F PB 2409
230-6 Intermediate Intensive French I [130, 131, concurrent enrollment in 231]
001 9:30 MTWThF PB 1313 G. Marti
11:30 F PB 0413
231-6 Intermediate Intensive French II [130, 131, concurrent enrollment in 230]
001 12:30 MTWThF PB 1313 G. Marti
1:30 M PB 2302
250a-5 Intermediate Comprehensive French [GSD 123 or two years of high school French or consent of chairman]
001 9:30 MTWThF PB 2411

- 316b-4 German Literature from Romanticism to Modern Times [250 or consent of chairman]
001 12:30-2:20 W PB 0406
12:30-2:20 F PB 3302
499-3 Readings in German [By permit only]
e001 4:30-5:45 T Th PB 3422
506-2 Romanticism I [Graduate standing, concurrent enrollment in 507]
e001 5:00-6:40 T SL 2231
507-2 Romanticism II [Graduate standing, concurrent enrollment in 506]
e001 5:00-6:40 Th SL 2231

ITALIAN (ITAL)

- 144b-1 Italian Conversation [Concurrent enrollment in GSD 144b]
001 11:30 F PB 2411
002 10:30 F PB 2410
250b-5 Intermediate Comprehensive Italian [250a]
001 12:30 MTWThF PB 2410
499-3 Readings in Italian [By permit only]
e001 4:30-5:45 M W PB 2409

LATIN (LAT)

- 499b-4 Readings in Latin [499a, by permit only]
001 12:30-2:20 M W TBA

RUSSIAN (RUSS)

- 136b-1 Russian Conversation [Concurrent enrollment in GSD 136b]
001 10:30 F PB 1313 Zaytzeff
250b-5 Intermediate Comprehensive Russian [250a]
001 1:30 MTWThF PB 1313 Zaytzeff
499-3 Readings in Russian [By permit only]
e001 4:30-5:45 M W PB 1309

SPANISH (SPAN)

- 140a-1 Spanish Conversation [Concurrent enrollment in GSD

250b-5	Intermediate Comprehensive French [250a]				
001	12:30 MTWThF PB 2411				
002	10:30 MTWThF PB 2411				
301b-4	French Literature from 18th Century to the Contemporary Period [250 or consent of chairman]				
001	2:30-4:20 MW PB 2406				
311b-3	French Culture and Civilization [250 or consent of chairman]				
001	11:30 MWF PB 3404				
002	11:30 MWF PB 1302				
351a-3	Advanced French Conversation and Composition [250 or consent of chairman]				
001	2:30-3:45 T Th PB 0410				
449-3	Readings in French [By permit only]				
001	3:30 MWF PB 0410				
500-2	Seminar in Contemporary French Literature [Graduate standing, concurrent enrollment in 501]				
e001	5:30 MW PB 3311 Francis				
501-2	Seminar on Selected French Author [Graduate standing, concurrent enrollment in 500]				
e001	6:30 MW PB 3311 Francis				
GERMAN (GER)					
126b-1	German Conversation [Concurrent enrollment in GSD 126b]				
e001	6:55-7:20 T Th PB 2410				
002	2:30 F PB 2409				
003	11:30 F PB 2410				
004	9:30 F PB 2410				
250b-5	Intermediate Comprehensive German [250a]				
001	1:30 MTWThF PB 0312				
002	8:30 MTWThF PB 2411				
311b-3	German Culture and Civilization [250 or consent of chairman]				
001	12:30 MWF PB 1307				
311e-3	German Culture and Civilization [One quarter of any 300-level German course or equivalent]				
001	10:30 T PB 2415				
	10:30 W PB 2410				
	10:30 F PB 2306				

140a]	9:30	F	PB 0413		
140b-1	Spanish Conversation [Concurrent enrollment in GSD 140b]				
e001	7:55-8:20 MW		PB 2409		
002	12:30 F		PB 2409		
003	10:30 F		PB 2409		
004	8:30 F		PB 2410		
250b-5	Intermediate Comprehensive Spanish [250a]				
001	1:30 MTWTh PB 2411				
	1:30 F PB 2412				
002	11:30 MTWThF PB 1313				
301b-4	Spanish Literature from Medieval Period Through Romanticism [250 or consent of chairman]				
001	12:30-2:20 T Th PB 2415				
311b-3	Spanish Culture and Civilization [250 or consent of chairman]				
001	9:30 M PB 2406				
	9:30 W F PB 1414				
351a-3	Advanced Spanish Conversation and Composition [250 or consent of chairman]				
001	2:30-3:45 T Th PB 3311				
375b-3	Spanish American Literature [250 or consent of chairman]				
001	8:30 MWF PB 2412				
499-3	Readings in Spanish [By permit only]				
e001	4:30-5:45 T Th PB 3409				
501-2	Seminar on a Selected Spanish Author: Cervantes [Graduate standing]				
e001	6:55-7:45 T Th PB 3311				
525-3	The Spanish Ballads [Graduate standing]				
e001	5:30-6:45 T Th PB 3311				Goode

GENERAL BUSINESS ADMINISTRATION (GBA)

140-4	Introduction to Business				
001	10:30-12:20 T				SL 3114
	10:30-12:20 F				PB 3313
002	10:30-12:20 T				SL 3114
	10:30-12:20 F				PB 3305

GBA cont'd.

Geog cont'd.

530-2 to 4	Independent Studies in Geography [Consent of Dr. Kircher]	
001	TBA	PB 1221 Baker
572a-4	Quantitative Planning Research	
001	8:30-12:20 S	PB 1412 Lossau
574b-4	Urban Planning Design Studio	
001	3:30-5:20 M W	SL 1216 Roth
574c-2	Urban Planning Design Studio	
e001	8:30-10:20 W	Tract 14B Roth
575b-2	Urban Planning Analysis	
e001	6:30-8:20 W	SL 1216 Weismantel
576-2	Planning and Design Seminar	
001	10:00-12:00 S	Tract 14B Weismantel
577-4	Seminar in Urban Problems: Grantsmanship	
e001	6:30-8:20 T Th	PB 1412 Watkins
599-2 to 8	Thesis	
001	TBA	Kazeck

GOVERNMENT (GOVT)

200-4	Introduction to Political Science	
001	11:30 MTWTh	PB 3313 Lee, Maier
321-1 to 6	Readings in Government	
001	TBA	Masters
330-2	Illinois Government	
e001	7:00-8:50 M	PB 0312 Rendleman, Davis
355a-4	Latin American Political Systems	
001	2:30 MTWTh	PB 0413 Maier
355b-4	Asian Political Systems	
001	8:30 MTWTh	PB 3306 Hsiao
385-4	Introduction to Political Theory [200]	
001	9:30 MTWTh	PB 3306 Jacobitti
410b-4	Quantitative Methods in Political Science (Same as Soc 410b)	
e001	6:30-8:20 T Th	PB 2411 Lee
421-4	Public Personnel Administration [320]	
001	2:30 MTWTh	PB 3310 McHargue

341-4 Organizational Problems [GBA 340, consent LIFT for Sections 201 and 202]

001	10:30-12:20 T Th	PB 3315
002	10:30-12:20 M W	PB 3316
003	2:30-4:20 T Th	PB 2405
004	12:30-2:20 M W	PB 3316
005	12:30-2:20 T Th	PB 1312
201	8:30-10:20 M W	LH 102
202	8:30 F	LH 103
202	12:30-2:20 M W	LH 102
202	12:30 F	LH 103
440-4	Legal Environment of Business [140]	
001	8:30-10:20 M W	PB 2405
441-4	Business Policy [341, 440]	
001	12:30-2:20 M W	PB 3303
002	12:30-2:20 T Th	PB 3303

308-3	001	Introduction to Geographic Methods	Lossau
310a-4	001	2:30 MTWTh PB 1412	
401-4	001	Introduction to Cartographic Methods	
	001	2:30-4:20 T Th SL 1216	
	001	History of the Earth	
403b-4	001	2:30 TWThF SL 1215	Miller
404b-3	001	Physical Geography II	
	001	3:30-5:20 MW SL 1215	Miller
	001	Urban Geography and Ecology	Koepke
	001	12:30 F PB 1412	
	001	1:30 MF PB 1412	
406a-4	001	Cultural Geography I	Baker
410a-4	001	11:30 MTWTh PB 1412	
e001	001	Quantitative Methods in Geography	Clements
426b-4	001	5:30-8:20 T PB 0306	
	001	Photogrammetry	Moellman
444-4	001	TBA A.C.I.C.	
	001	Teaching of Earth Sciences	Marlow
462b-3	001	3:30 MTWTh PB 1412	
	001	Regional Geography of Europe	Hess
467a-4	001	8:30 MWF PB 1412	
	001	Regional Geography of Latin America	Thompson
470b-4	001	9:30 MTWTh PB 1412	
	001	Urban Planning (Planning Codes and Ordinances)	Johnsen
470e-4	001	3:30-5:20 T Th Tract 14B	
	001	Internship	
471b-4	001	TBA	
	001	Regional Planning	Lossau
490b-1 or 2	001	10:30 MTWTh PB 1412	
	001	Tutorial in Geography [Consent of Mr. Bridwell]	
521-2 to 4	e001	TBA PB 1408	
	001	Seminar in Economic Geography	Koepke
522-4	001	5:30-8:20 M PB 1412	
	001	Seminar in Regional Geography	Kircher
524-2 to 4	e001	8:30-10:20 T Th PB 0306	
	001	Seminar in Cultural Geography	Baker
527-2 to 4	001	5:30-8:20 W PB 1412	
	001	Seminar in Urban and Regional Planning	Kahn
	001	TBA Tract 14B	

4 29-4	001	11:30 MTWTh LB 0055	McCabe
445a-4	001	American Voting Behavior [GSB 203a]	
456-4	001	2:30 MTWTh PB 3306	Tubbesing
e001	001	Topics in Comparative Politics [350 or 355]	
472a-4	001	4:30-6:20 T Th PB 3310	Glaser
	001	General International Organizations [200]	
484b-4	001	1:30 TWThF PB 3306	Feeney
	001	History of Western Political Theory: Renaissance and Early Thought (Same as Phil 484b) [385]	
495b-4	001	11:30 MTWTh PB 0413	Jacobitti
	001	American Constitution Law and Economic Justice [GSB 203a]	
496-4	001	11:30 MTThF LB 0054	Kerr
	001	American Judicial Behavior [340c]	
521-1 to 12	001	1:30 MTThF PB 3313	Kerr
	001	Readings in Government	Masters
522-4	001	TBA	
	001	Organization Theory and Public Administration	Jachim
	001	1:30-3:20 W PB 1308	
	001	1:30-3:20 F PB 2403	
529-2 to 9	001	Seminar in Public Administration	McHargue
	001	TBA	
555-2 to 9	001	Seminar in Comparative Politics	Glaser
	001	TBA	Stahnke
595-2 to 6	001	TBA	
	001	Individual Research	Masters
	001	TBA	

HEALTH EDUCATION (H ED)

205-4	001	Principles and Foundations of Health Education	
	001	1:30 MTWTh PB 2412	Klein
300-3	001	Communicable Disease	
	001	2:30 MWTh PB 2412	Klein
302s-4	001	Driver Education and Training	Kristoff
	001	9:30 MTWTh PB 2412	
334s-4	001	First Aid	
	001	8:30-10:20 T Th LB 0033	Archangel
443s-4	001	Methods and Materials in Driver Education	
	001	10:30 MTWTh PB 2412	Kristoff

460-4	Methods and Materials in Secondary School Health Education	MTWTh	PB 2412	Klein
001	3:30			

HISTORY (HIST)

100-3	Survey of Ancient History	MWF	PB 1311	Wurtz
001	2:30			
002	3:30	MTTh	PB 1414	Kimball
102-4	Survey of Asian Civilization			
001	1:30	MTWTh	PB 1311	Chen
309-4	The Negro in America	MTWTh	PB 1306	McAfee
001	10:30			
316b-3	History of Africa	T Th	PB 1306	Grant
e001	8:30-9:45			
317a-3	The Westward Movement in American History	S	PB 1306	Branz
001	9:00-12:00			
332b-3	Medieval History [Sophomore standing]	MWF	PB 2304	Wurtz
001	12:30			
342a-3	History of Canada	MWF	PB 1311	McCurry
001	9:30			
352b-3	History of Latin America	M W	PB 1311	Millett
e001	8:30-9:45			
367b-3	History of the Far East	T Th	PB 1311	Chen
001	2:30-3:45			
372b-3	History of Russia	M W	PB 0307	Santoni
001	2:30-3:45			
410-2 to 5	Special Readings in History [Consent of chairman, minimum 4.0 GPA in history]			
001	TBA			
412b-3	Intellectual History of the United States [GSB 300]	TThF	PB 3315	Rosenthal
001	12:30			
417b-4	Advanced English History: Tudor England, 1485-1603			
001	[GSB 101b,c]	MTThF	PB 1306	Haas
001	11:30			
422b-4	History of the Near East [GSB 101b,c]	MTWTh	PB 2410	Grant
001	2:30			
428-4	The Age of Jackson [GSB 300a]			
001				

HUMAN SERVICES (H S)

101b-4	Orientation to Human Services [Consent of instructor]	M W	Tract 52	Gilland
001	1:30-3:20			

INSTRUCTIONAL TECHNOLOGY (I T)

403-4	School Library Functions and Management			
	Lab hours TBA.			
e001	5:30-8:20	M	LB 0056	Mundt
405-4	Library Materials for Children			
	Lab hours TBA.			
e001	5:30-8:20	T	LB 0056	
407-4	Basic Reference Sources			
	Lab hours TBA.			
e001	5:30-8:20	W	LB 0056	
413-4	Cataloging of Non-Book Materials			
	Lab hours TBA.			
e001	5:30-8:20	Th	LB 0056	Mundt
417-4	Audio-Visual Methods in Education			
	Student enrolls in one section and arranges one hour per week self-instruction.			
001	11:30-1:20	T	LB 0044	Moore
	11:30	Th	LB 0044	
e002	5:30-8:20	W	LB 0044	Gilligan
445-4	Preparation of Teacher-Made Audio-Visual Materials			
	[417]			
	Lab hours TBA for all sections.			
001	12:30-3:20	W	LB 0042	Joyner
e002	5:30-8:20	Th	LB 0042	Joyner
e003	5:30-8:20	T	LB 0042	Moore
e004	5:30-8:20	W	LB 0042	Moore
458-4	The Medium of the Motion Picture			
	Lab hours TBA.			
e001	5:30-8:20	Th	LB 0055	Thota
470-4	Programmed Instruction			
	Lab hours TBA.			
e001	5:30-8:20	T	LB 0055	Thota
510-4	Mass Communications in Education			
e001	5:30-8:20	M	LB 0055	Thota

001	10:30	MWF	PB 1307	Riddleberger Jacobitti	
435c-3	Advanced American History: 1919-1939 [GSB 300]				
001	2:30-3:45	T Th	PB 1316	Weiss	
452-3	Historical Research and Thesis Writing [Junior standing]				
001	2:30-5:00	M	PB 2306	McCurry	
002	9:00-12:00	S	PB 2406	Weiss	
e003	8:30-9:45	T Th	PB 2406	McAfee	
456b-4	Recent German History [GSB 101c]				
001	2:30-4:20	T Th	PB 0412	Weingartner	
458a-4	History of Science to 1500 [GSB 101b,c]				
001	12:30	MTThF	PB 2403	Erickson	
460b-3	Social and Intellectual History of the Middle Ages: 1000-1250 [GSB 101b]				
001	12:30	MWF	PB 0413	Steckling	
471b-3	History of Mexico: 20th Century				
001	3:30	MWF	PB 2410	Millett	
477b-4	American Economic History [GSB 300]				
001	8:30	MWThF	PB 0413	Nordhauser	
500a-4	History Seminar: American [Graduate standing]				
001	1:30	W	PB 2409	Beard	
500b-4	History Seminar: European [Graduate standing]				
e001	5:00	Th	PB 2409	Weingartner	
510-2 to 5	Readings in History [Graduate standing, consent of chairman, minimum 4.0 GPA in history]				
001	TBA				
512-3	Studies in 19th Century Europe [430a,b or consent of instructor]				
001	2:30	W	PB 2409	Gallaher	
599-1 to 9	Thesis [Consent of chairman]				
001	TBA				

HUMANITIES (HUM)

302-3 or 4	The Rise and Decline of Reform in Nineteenth Century America				
001	2:30-3:45	T Th	PB 1302	Riddleberger	

e001	5:30-8:20	W	LB 0055	Mundt	
576-2 to 8	Problems in Instructional Materials				
001	TBA				

JOURNALISM (JRNL)

103-3	News				
001	10:30	MWF	CB 0102	Winter	
201a-3	News Writing and Editing I [103]				
001	11:30-1:00	T Th	CB 0102	Ward	
201b-3	News Writing and Editing II [103, 201a]				
001	11:30-1:00	M W	CB 0102	Thiel	
210a-3	Introduction to Photojournalism [103, by permit only]				
001	2:30-5:20	T	CB 1014	Ward	
321-4	Public Affairs Reporting [201a,b]				
001	8:30-10:20	T Th	CB 0102	Thiel	
352b-4	Magazine Article Writing and Production [352a or 391]				
001	1:30-3:20	M W	CB 0102	Hasse	
362-1	Independent Studies in Journalism [Journalism primary or secondary concentration, consent of director of journalism]				
001	TBA				
375-4	Advertising Copywriting [370]				
001	8:30-10:20	M W	CB 0102	Hasse	
410-4	Internship in Journalism [Journalism concentration, consent of instructor]				
001	TBA				
415-4	Senior Seminar in Journalism: Communications in the World of the Future [Junior or senior standing in journalism]				
001	3:30-5:20	T Th	CB 0102	Winter	

MANAGEMENT SCIENCE (M S)

311-4	Statistical Analysis for Business Decisions [380, GSD 114d, consent LIFT for Sections 201 and 202]				
001	10:30-12:20	M W	PB 2405		

002	10:30-12:20	T Th	PB 3303
003	2:30-4:20	M W	LB 0034
004	8:30-10:20	T Th	PB 0403
201	8:30-10:20	T Th	LH 102
	10:30	F	LH 103
202	12:30-2:20	T Th	LH 102
	2:30	F	LH 103
315-4	Probabilistic Decision Methodology [311, GSB 114a]		
001	8:30-10:20	T Th	PB 3315
002	10:30-12:20	T Th	PB 2403
e003	8:30-10:20	M W	PB 1412
e004	6:30-8:20	T Th	PB 3404
005	12:30-2:20	T Th	LB 0055
380-4	Management Systems I [GBA 140]		
e001	6:30-8:20	M W	PB 1414
e002	6:30-8:20	T Th	PB 3316
e003	8:30-10:20	M W	PB 3313
381-4	Management Systems II [315, 380]		
001	10:30-12:20	T Th	PB 2405
002	8:30-10:20	T Th	PB 2405
e003	6:30-8:20	M W	PB 2405
e004	8:30-10:20	T Th	LB 0034
480-4	Integrated Management Systems [382]		
001	10:30-12:20	M W	PB 2403
e002	8:30-10:20	T Th	PB 2412
489-1 to 4	Independent Study in Management Science [Consent of instructor and chairman]		
001	TBA		
510-4	Statistical Analysis for Decision Making [MBA students only]		
201	8:30-11:20	W	LH 104
	1:30-2:50	Th	LH 104
513-4	Deterministic Models in Decision-Making [510, 511]		
e001	5:30-9:50	M	PB 0403

MARKETING (MKTG)

002	1:30	MTThF	PB 0303
003	11:30	MTWF	SL 2224
e004	6:30-8:20	M W	PB 0303
150b-4	Elementary Calculus and Analytic Geometry [150a]		
001	10:30	MTWThF	SL 1224 Stephen
002	10:30	MTWThF	SL 1225 Hattner
003	11:30	MWThF	SL 1224 M. Livingston
004	12:30	MTWF	SL 1224 Verderber
005	1:30	MTWF	SL 1224
e006	6:30-8:20	T Th	PB 0303
225-4	Programming for Digital Computers [GSD 114a]		
001	12:30	T Th	PB 1315 West
	12:30	W F	CB 0186
002	12:30	T Th	PB 1315 West
	10:30-12:20	S	CB 0186
003	12:30	T Th	PB 1315 West
	1:30	W F	CB 0186
004	12:30	T Th	PB 1315 West
	1:30	T Th	CB 0186
005	12:30	T Th	PB 1315 West
	11:30	W F	CB 0186
e006	6:30-8:20	T Th	CB 0186
250-4	Calculus and Analytic Geometry [150b]		
001	9:30	MWThF	SL 2224 Phillips
e002	6:30-8:20	M W	SL 1225
300-4	XX Honors Calculus [Consent of instructor]		
001	9:30	MWThF	SL 1221 Kessler
305-4	Applied Mathematics for Physical Science [250]		
001	10:30	MWThF	PB 0303
310-4	The Teaching of Elementary Mathematics [GSD 112]		
001	8:30	MTThF	SL 1225 Fanning
002	9:30	MTThF	SL 1225 Fanning
311-4	The Teaching of Secondary Mathematics [321, Ed S 315]		
001	8:30	MTWTh	SL 1221 Holden
321-4	Elementary Matrix Algebra [150b]		
001	12:30	MWThF	PB 0302

371-4	e001	8:30-10:20	M W	PB 1414	001	8:30	MWThF	SL 1224	Ho
	e002	8:30-10:20	T Th	PB 2403	002	1:30	MWThF	SL 1225	Garder
	e003	6:30-8:20	M W	PB 3310	350b-4	Multivariable Calculus [350a]			
		Principles of Marketing Management [370, consent			001	11:30	MWThF	SL 1225	Kessler
		LIFT for Sections 201 and 202]			002	11:30	MWThF	SL 1221	Hattermer
	001	8:30-10:20	M W	PB 3303	395-2 to 12	Readings in Mathematics [Consent of chairman]			
	002	8:30-10:20	T Th	PB 3302	001	TBA			
	003	12:30-2:20	M W	PB 3302	405a-4	Applied Mathematics for Physical Sciences II [305]			
	004	12:30-2:20	T Th	PB 3302	001	11:30	MTThF	PB 0303	Bennewitz
	005	2:30-4:20	M W	PB 2405	e002	4:30-6:20	M W	SL 1221	Wilson
					410b-4	Statistical Analysis [410a]			
		10:30-12:20	T Th	LH 102	e001	4:30-6:20	T Th	SL 1225	Clemans
	201	11:30	F	LH 103	420a-3	Fundamental Concepts of Algebra [321]			
	202	2:30-4:20	T Th	LH 102	001	2:30	MWF	SL 1225	Lazerson
		3:30	F	LH 103	420b-3	Fundamental Concepts of Algebra [420a]			
452-4	Physical Distribution Management [470, Q M 310]				001	2:30	MWF	SL 1221	M. Livingston
472-4	001	10:30-12:20	M W	PB 3302	421b-3	Linear Algebra [421a]			
	e002	8:30-10:20	M W	PB 2412	001	11:30	MWF	SL 1220	Lazerson
		Sales Policy and Management [470]			426b-3	Applied Logic and Algorithms [426a]			
		8:30-10:20	M	PB 3313	e001	5:00-6:15	M W	PB 0303	Isaacson
	001	8:30-10:20	W	PB 1306	430-4	Projective Geometry [321 or consent of instructor]			
479-1 to 4	e002	6:30-8:20	M W	PB 0413	001	1:30-3:20	T Th	SL 1221	
	Independent Study in Marketing [Consent of instructor and chairman]				446b-3	Structure of Mathematics [Experience in teaching, consent of instructor]			
					e001	5:30-8:20	Th	SL 1221	Holden
					452b-3	Advanced Calculus [452a]			
	001	TBA			001	1:30	MWF	SL 1221	Stephen
MATHEMATICS (MATH)									
101-4	Fundamental Mathematics				e001	Advanced Mathematics for Physical Science [455a]			
	001	8:30-10:20	W S	PB 0304	455b-3	5:00-6:15	T Th	SL 1224	A. Livingston
	002	10:30-12:20	W S	PB 0304	e001	Finite Mathematics [250]			
	003	8:30	MTThF	PB 0304	458b-3	5:30-8:20	Th	SL 1220	Phillips
	004	10:30	MTThF	PB 0304	472a-3	Operations Research [225, 483a]			
	005	2:30	MTWThF	PB 0304	e001	6:30-7:45	T Th	SL 1225	Kotiah
	006	3:30	MTWThF	PB 0304	472b-3	Operations Research [472a]			
	e007	6:00-8:20	T Th	PB 0304	e001	4:30-5:45	M W	SL 1225	Wallace
					473b-3	Computer Science [473a]			
		8:30-9:45	T Th		e001	8:30-9:45	T Th	CB 0186	West
	e201	6:00-8:20	T Th	AD	475b-3	Numerical Analysis [475a]			
	150a-4	Elementary Calculus and Analytic Geometry [114c]				6:30-7:45	M W	CB 0186	Pal
001	9:30	MTThF	SL 1224	Gwillim					

001b-1	University Band	T Th	CB 1029	Oberlag	355c-1	Chamber Music Ensembles (Strings) [By audition]	
						11:30 T Th	TBA Pival
001c-1	Stage Band				001	Music History and Literature	
e001	4:30-6:00	M W	CB 1029	W. Brown	357b-3	3:30 MWF	PB 3404 Rouslin
002b-1	University Chorus				365-1	Piano Ensemble	
001	2:30	MWF	CB 1029	Vang	001	TBA	Studio Cambon
002e-1	SIU Community Choral Society				401-3	Psycho-physiology of Music	
e001	7:30-9:30	T	PB 1402	Van Camp	e001	5:30-8:20 W	CB 0158 Joseph
002g-1	Concert Chorale				411a-3	Music Literature—Symphonic	
001	11:30	MTWThF	CB 1029	Van Camp	e001	4:30 MWF	PB 3404 Kresteff
003-1	University Symphony Orchestra				413b-3	Piano Literature	
001	2:30-4:20	T	CB 1029	Schieber	001	2:30 MWF	Studio Premazzi
	2:30	Th	CB 1029		420-2	Music Education Practicum	
e002	8:00-10:00	T	CB 1029	Kendall	e001	5:30-7:20 T	TBA Brauer
010a-1	Class Applied Music; Strings				440a-u-2 or 4	Private Applied Music [By permit only]	
001	2:30	MWF	CB 0158	Rouslin		See 140a-u.	
010b-1	Class Applied Music; Woodwinds				001	TBA	
001	8:00-9:20	T Th	CB 1029	Mellott	461b-3	Teaching Techniques and Materials	
002	8:00-9:20	M W	CB 1029	Oberlag	001	3:30 MWF	CB 0158 Slenczynska
010c-1	Class Applied Music; Brass				465-3	Development and Teaching of Strings	
001	9:30	MWF	CB 1029	Fjerstad	e001	5:00-7:45 T	CB 1029 Kendall
010e-1	Class Applied Music; Piano				481-2 to 6	Readings in Music Theory	
001	3:30-5:00	T Th	PB 3406	Ferguson	001	TBA	
002	3:30	MWF	PB 3406	Ferguson	482-2 to 6	Readings in Music History and Literature	
003	2:30	MWF	PB 3406	Ferguson	001	TBA	
004	1:30	MWF	PB 3406	Ferguson	483-2 to 6	Readings in Music Education	
005	1:00-2:20	T Th	PB 3406	Ferguson	001	TBA	
010f-1	Class Applied Music; Voice				499-1 to 3	Independent Study	
001	10:30	MWF	CB 0158	Turner	001	TBA	
002	10:30	MWF	CB 1029	Vang	502-3	History and Analysis of Musical Style	
105a-4	Theory of Music				e001	5:30-8:20 W	PB 3404 Warren
001	8:30	MTWThF	CB 0194	Kresteff	519b-3	Vocal Pedagogy and Literature	
105b-4	Theory of Music				e001	6:30-9:20 M	Tract 16 Moore
001	8:30	MTWThF	PB 3404	Woodard	540a-u-2 or 4	Private Applied Music [By permit only]	
002	8:30	MTWThF	CB 0158	Scott		See 140a-u.	
003	8:30	MTWThF	PB 3406	Warren	550a-4	TBA	
140a-u-2 or 4	Private Applied Music [By permit only]				001	Organization and Administration of the Music Education Program	
001	TBA				e001	5:30-8:20 M	CB 0194 Claudson
a.	Violin	h.	Bassoon	o.			
b.	Viola	i.	Saxophone	p.			

566-1	Instrumental Ensemble	CB 1029	Fjerstad
001	12:30-2:20 MWF	TBA	
002	11:30 T Th	CB 1029	Kendall, Schieber
003	TBA		
567-1	Vocal Ensemble	PB 1402	Van Camp
e001	7:30-9:30 T	CB 1029	Van Camp
002	11:30 T Th		
599-3 to 9	Thesis		
001	TBA		

NURSING (NURS)

280b-4	Nursing and Community Health	PB 1414	
001	12:30-2:20 M	Clinic	
	8:00-12:20 W	LB 0012	
	1:30 W	PB 1414	
002	12:30-2:20 M	Clinic	
	8:00-12:20 F	LB 0012	
	1:30 F		
302a-4	Nursing of Children		
001	9:30-10:50 F	PB 0403	
	8:00-12:00 TW	Clinic	
	11:00-11:50 M	PB 1414	
303a-4	Medical-Surgical Nursing		
001	9:30-10:50 M	PB 1414	
	8:00-12:00 TW	Clinic	
	11:00-11:50 F	PB 0403	
304-2	Social Forces in Nursing		
001	9:30-11:20 Th	PB 0306	
350b-4	Medical-Surgical Nursing		
001	8:00-2:30 T	Clinic	
	12:30-2:20 M	PB 2306	
360b-4	Psychiatric Nursing		
001	8:00-2:30 W F	Clinic	
	9:30-11:20 M	PB 1316	
370b-4	Community Health Nursing		
001	8:00-2:30 W F	Clinic	

490-3	Special Problems: L'art en France 800-1900		
002	12:30 T Th	PB 3311	F. Marti
	12:30 F	PB 3303	
495-2 to 12	Independent Readings [By permit only]		
001	TBA		
502a,b-2	Methods of Teaching Philosophy [Graduate standing]		
001	TBA		
520-4	Practicum in Teaching Philosophy in the Community College [Graduate standing]		
001	TBA		
560-4	Logic [Graduate standing]		
001	12:30-2:20 M W	PB 1302	Barker
575-4	Seminar in Problems of Philosophy: Process Metaphysics [Graduate standing]		
001	12:30-2:20 T Th	PB 1302	Keene

PHYSICAL EDUCATION (P E)

025-0	Orientation	W	PB 0413	Lee
303b-4	Homokinetics [Biol 312a]			
001	8:30-10:20 M W	LB 0054	Archangel	
305-3	Physical Education for the Atypical Student [303]			
001	10:30 MWF	LB 0056	Showers	
323b-1	Officiating Techniques			
001	TBA			J. Martin
348-3	Camp and Community Leadership			
001	2:30 MWF	LB 0055	Bobka	
350-4	Methods and Materials for Teaching Physical Education Activities in the Elementary School			
	Ten hours TBA for all sections.			
e001	5:30-8:20 Th	LB 0033	Piper	
002	1:30-3:20 T Th	LB 0033	Piper	
003	8:30-10:20 M W	LB 0033	Sappington	
352-2	History and Physical Education			
001	12:30 M W	PB 2412	Showers	
354-3	Organization and Administration of Physical Education and Athletics			
001	12:30 MWF	LB 0056	Delano	

450-4	001	Personnel Administration [GBA 340]	8:30-10:20	T Th	PB 3316				
e002			6:30-8:20	M W	PB 3315				
451-4		Labor Relations Law and Collective Bargaining [GBA 340]							
	001		10:30-12:20	T Th	PB 3316				
e002			8:30-10:20	M W	PB 3315				
PHILOSOPHY (PHIL)									
200-4		Introduction to Philosophy							
	001		1:30	MTThF	PB 0406	Pletcher			
302-4		World Religions [Sophomore standing]							
	001		2:30	MTThF	PB 3313	Murdoch			
307-4		Advanced Philosophy of Science [GSA or GSC 363a or 363b, consent of instructor]							
	001		1:30	MTThF	PB 0413	Wolf			
308-4		Introduction to Philosophical Analysis [Sophomore standing]							
	001		9:30	MTWTh	PB 0406	Paxson			
345-4		The Aesthetics of Film [Completion third-level GSC]							
	001		12:30	MWTh	LB 0044	Linden			
			11:30-1:20	F	LB 0044	Linden			
376-4		Advanced Ethics [GSC 375]							
	001		2:30-4:20	T Th	PB 0408	Seligman			
385d-4		History of Western Philosophy: 19th Century [Sophomore standing]							
	001		8:30	MTThF	PB 0408	F. Marti			
385e-4		History of Western Philosophy: 20th Century [Sophomore standing]							
	001		10:30-12:20	T Th	PB 3117	Christensen			
443-4		Philosophy of History [Junior standing]							
	001		10:30	M F	LB 0054	Emblom			
			10:30-12:20	W	LB 0054				
484b-4		History of Western Political Theory: Renaissance and Early Modern (Same as Govt 484b) [Junior standing]							
	001		11:30	MTWTh	PB 0413	Jacobitti			
490-4		Special Problems: Epistemology [By permit only]							
	001		2:30-4:20	M W	PB 1302	Paxson			

	001	11:30	M W	PB 2412	Showers
		11:30-1:20	F	PB 2412	
382-4		Methods and Materials in Secondary Schools [Consent of instructor]			
	001	1:30	M W	LB 0054	DeLong
		1:30-3:20	F	LB 0033	
388-2		Self Testing Activities			
	201	12:30	M W	Gym 102	Piper
389-4		Affiliation in Physical Education			
	001	TBA			Lee
402-4		Organization and Administration of Intramural and Extramural Activities			
		Twelve hours TBA.			
	001	11:30	MWF	LB 0056	Guelker
475-4		Individual Research			
	001	TBA			Herrold
504-4		Problems in Physical Education			
	e001	5:30-8:50	M	PB 0412	Herrold
525-4		Readings in Physical Education			
	001	TBA			Herrold

PHYSICS (PHYS)

206b-5		College Physics [206a]			
	001	11:30	MTWThF	SL 0226	
		12:30-2:20	F	SL 0212a	
	002	11:30	MTWThF	SL 0226	
		2:30-4:20	F	SL 0212a	
	003	11:30	MTWThF	SL 0226	
		9:30-11:20	F	SL 0212a	
211a-4		University Physics: Mechanics [Concurrent enrollment in Math 150a]			
	001	9:30	MWF	PB 0312	
		9:30	T Th	PB 1307	
	002	9:30	MWF	PB 0312	
		9:30	T Th	PB 3117	
	003	9:30	MWF	PB 0312	
		9:30	T	SL 2224	
		9:30	Th	SL 0226	

004	9:30	MWF	PB 0312	
211b-4	10:30	T Th	SL 1220	
001	12:30	MWF	SL 3114	University Physics: Light, Sound, and Heat [211a]
002	12:30	T Th	SL 1220	
003	12:30	MWF	SL 3114	
004	12:30	T Th	SL 0226	
005	12:30	MWF	SL 3114	
212a-1	11:30	T Th	PB 1307	University Physics Laboratory [Concurrent enrollment in 211a]
001	2:30-5:20	M	SL 0212	
002	2:30-5:20	T	SL 0212	
003	10:30-1:20	T	SL 0212	
004	10:30-1:20	M	SL 0212	
212b-1	University Physics Laboratory [Concurrent enrollment in 211b]			
001	8:30-11:20	T	SL 1218	
002	8:30-11:20	W	SL 1218	
003	8:30-11:20	Th	SL 1218	
004	8:30-11:20	F	SL 1218	
005	2:30-5:20	T	SL 1218	
006	2:30-5:20	W	SL 1218	
007	2:30-5:20	Th	SL 1218	
008	2:30-5:20	M	SL 1218	
301b-4	Introduction to Classical Mechanics [211a, 301a, Math 252b]			
001	8:30	MTThF	SL 0226	
e002	7:30-9:20	T Th	PB 2410	
305a-4	Introduction to Electromagnetic Field Theory [211c, Math 305a]			
001	10:30	MTThF	SL 1221	
320-4	Special Relativity			
001	1:30	MTThF	SL 0226	

002	10:30-12:20	T Th	PB 3305	
003	8:30-10:20	MW	PB 3305	
305-4	Introduction to Personality Dynamics [GSB 201c]			
e001	4:30-6:20	MW	PB 1316	
002	8:30-10:20	T Th	LB 0054	
307-4	Social Psychology [GSB 201c]			
001	10:30-12:20	T Th	PB 2304	
311-4	Experimental Psychology: Learning [211a,b]			
e001	6:30-8:20	MW	SL 2212	
002	8:30-10:20	MW	SL 2212	
313-4	Experimental Psychology: Motivation [311]			
001	3:30-5:20	MW	SL 2212	
409-4	History and Systems [Advanced standing or consent of instructor]			
001	10:30-12:20	W	PB 0412	
	10:30-12:20	F	PB 0408	
420-4	Experimental Analysis of Behavior [GSB 201c]			
001	3:30-5:20	T Th	SL 2212	
431-4	Psychopathology [305 or consent of instructor]			
001	3:30-5:20	MW	PB 1311	
432-4	Mental Hygiene [305]			
001	8:30-12:20	S	PB 1316	
440-4	Theories of Personality [305 or consent of instructor]			
	Meets first four Fridays only.			
e001	5:30-8:20	MF	PB 0406	
465-4	Group Dynamics and Individual Behavior [307 or consent of instructor]			
	Section 001 meets first four Fridays only.			
e001	5:30-8:20	WF	PB 3409	
002	1:30-3:20	T Th	PB 2406	
473-4	Personnel Psychology [320 or consent of instructor]			
	Meets first four Fridays only.			
e001	5:30-8:20	MF	PB 3404	
490-1 to 4	Independent Projects [Consent of chairman]			
001	TBA			
501b-4	Proseminar in General Psychology [Consent of instructor or chairman]			
001	2:30-4:20	T Th	PB 3303	

001	9:30	MTWF	SL 0226	e001	5:30-9:20	Th	LB 0054
418-4		Modern Physics Laboratory		531-4	Advanced Psychopathology [Consent of instructor]		
e001	6:30-9:20	T Th	SL 0211	e001	5:30-8:20	M	PB 3409
420-2 to 5		Special Projects [Consent of chairman]		541a-4	Psychodiagnostics I [Consent of instructor]		
001		TBA		e001	5:30-8:20	M	GOB 2225
510b-3		Classical Mechanics [510a]		541b-4	Psychodiagnostics I [Consent of instructor]		
e001	8:00-9:20	T Th	SL 0226	e001	9:00-12:00	S	GOB 2225
530a-3		Electromagnetic Theory		552-4	Experimental Child Psychology [451 or 461 or consent of instructor]		
e001	6:30-7:45	T Th	SL 0226	e001	5:30-8:20	M	PB 2415
531b-3		Quantum Theory [531a]		561-4	Social Influence Processes [461 or consent of instructor]		
001	2:30	MWF	SL 1220				
PRODUCTION (PROD)				e001	5:30-8:20	T	GOB 2225
462-4		Production Planning and Control [460]		590-4	Readings in Psychology [Consent of chairman]		
001	8:30-10:20	M W	LB 0056	001	TBA		
e002	6:30-8:20	T Th	PB 2413	591-4	Research in Psychology [Consent of chairman]		
PSYCHOLOGY (PSYC)				001	TBA		
211a-4		Principles and Methods of Psychology [GSB 201c]		593h-2 to 4	Practicum in Psychology [Consent of chairman]		
001	9:30	T Th	PB 1312	001	TBA		
002	10:30-12:20	Th	SL 2212	493s-2 to 4	Practicum in Psychology: School Psychology [Consent of chairman and instructor]		
003	9:30	T Th	PB 1312	001	TBA		
004	10:30-12:20	T	SL 2212	599-2 to 4	Thesis		
	9:30	T Th	PB 1312	001	TBA		
	10:30-12:20	M	SL 2212	SCIENCE AND TECHNOLOGY (SC T)			
211b-4		Principles and Methods of Psychology [GSB 201c]		403a-3	Experiments and Techniques of Physics		
e001	6:30-8:20	T Th	PB 2405	001	TBA		SL 0212
002	12:30-2:20	M W	PB 3305	412b-3	Physical Science Curriculum		SL 1221
301-4		Child Psychology [GSB 201c]		e001	6:00-8:20	T	
e001	6:30-8:20	T Th	SL 1105	SOCIOLOGY (SOC)			
002	3:30-5:20	M W	PB 1410	301-4	Social Theory and Methods of Inquiry		J. Reynolds
003	10:30-12:20	M W	PB 3305	001	9:30-11:20	W	PB 0314
004	8:30-10:20	T Th	PB 3305		9:30-11:20	F	PB 1412
303-4		Adolescent Psychology [GSB 201c]		312-4	Research Methodology and Data Analysis		
e001	6:30-8:20	M W	PB 3305	001	3:30-5:20	M W	PB 2403
				002	9:30-11:20	T Th	PB 1311
							Young
							Young

321-4	001	Individual and Society 11:30-1:20 T Th	PB 1311	Lauer	
340-4	001	The Family 1:30-3:20 W	PB 0314	D. Taylor	
		1:30-3:20 F	PB 0409		
371-4	001	Population and Migration 11:30-1:20 M W	PB 1311	Minnich	
396-4	001	Readings in Sociology TBA		Crowther	
406-4	001	Social Change 3:30-5:20 T Th	PB 0302	Lauer	
410b-4	001	Quantitative Methods in Sociology 410b)		(Same as Govt	
	e001	6:30-8:20 T Th	PB 2411	Crowther	
427-4	e001	Sociology of Deviance 4:30-6:20 M W	PB 2411	Henslin	
437-4	001	Social Structure of Latin America 12:30-2:20 T Th	PB 3117	Minnich	
451-4	001	Social Thought: The Sociological Movement 9:30-11:20 W	PB 2409	Reynolds	
		9:30-11:20 F	PB 2412		
484-4	e001	Marriage Counseling 5:30-9:20 W	CB 0194	D. Taylor	
501-4	001	Survey of Sociological Theory 10:30-12:20 T Th	PB 0408	Blain	
536-4	001	Seminar in Bureaucracy 3:30-5:20 T Th	PB 2414	Campbell	
596-2 to 12	001	Readings in Sociology TBA		Crowther	
599-2 to 9	001	Thesis TBA			

SOCIAL WELFARE (SOC W)

389-2 to 5	001	Readings in Social Welfare TBA		Crowther	
481-4	001	Processes in Social Work 12:30 TWThF	PB 0303	Ashpole	

428-4	e001	Speech Correction for Classroom Teachers (Same as SP & A 428-4)			
		Additional hours TBA.			
430-4	e001	5:30-8:20 Th	CB 2012	Taylor	
		Behavior Modification in Special Education [Psync 420]			
	e001	Meets second four Fridays only.			
		5:30-8:20 ThF	PB 2406	Ferritor	
496-1 to 8	001	Readings and Independent Study in Special Education [Consent of instructor]			
	001	TBA			
501-4	001	Special Research Problems [Consent of instructor]			
		TBA			
517-4	e001	Atypical Child and Social Agencies 5:30-8:20 M	SL 2231	Whiteside	
577-4 to 12	001	Practicum in Special Education [Consent of chairman]			
		TBA			

SPEECH (SPCH)

202-4	001	Principles of Discussion 1:30-3:20 M	CB 0186	Glenn	
		1:30-3:20 W	PB 0309		
224-4	001	Communicative Reading 12:30 MWThF	CB 0194	Estes	
406-4	001	Teaching Speech in Secondary Schools 9:30 MWThF	CB 0186	White	
408-4	001	Psychology of Speech 1:30-3:20 T Th	CB 0194	Stoppe	
418-4	001	British Public Address Additional hours TBA.			
	e001	5:30-8:20 Th	CB 0194	Salden	
530-1 to 4	001	Research Problems TBA		Carey	
532b-2	e001	Areas and Techniques of Research in Speech 5:30-7:20 M	PB 1308	Hawkins	

SPEECH PATHOLOGY AND AUDIOLOGY (SP & A)			
482a-4	001	Social Work in Selected Agencies	Ashpole
SPECIAL EDUCATION (SP ED)			
353-8 to 16	001	Special Education Student Teaching	Tucker
410a-4		TBA	
		Problems and Characteristics of the Emotionally Disturbed Child [414]	
		Meets first four Fridays only.	
e001		5:30-8:20 W F PB 0408	Shea
410b-4		Problems and Characteristics of the Mentally Retarded Child [414]	
		Meets second four Fridays only.	
e001		5:30-8:20 W F LB 0034	Haider
410f-4		Problems and Characteristics of the Socially Maladjusted Child [414]	
e001		5:30-8:20 T PB 3305	Shea
410g-4		Problems and Characteristics of the Learning Disabled Child [414]	
		10:30 MTWTh PB 0406	Long
411-4		Assessment and Remediation of Learning Disabilities [414, 410g, or 410a]	
		Meets first four Fridays only.	
e001		5:30-8:20 W F PB 2406	Long
414-4		The Exceptional Child	
		Meets first four Fridays only.	
001		10:30-12:20 M W PB 0408	Haider
e002		5:30-8:20 T F PB 2403	Haider
420a-4		Methods and Materials in the Education of the Emotionally Disturbed [410a]	
		3:30 MTWTh PB 2409	
420b-4		Methods and Materials in the Education of the Educable Mentally Handicapped [410b]	
001		2:30-4:20 M W PB 0406	Tucker
420c-4		Methods and Materials in the Education of the Gifted [410c]	
		Meets first four Fridays only.	
e001		5:30-8:20 ThF PB 0410	Shaffer
TELEVISION-RADIO (TV-R)			
100-4		Process and Effects of Mass Communications	
		10:30-12:20 T Th LB 0034	
200-4		Survey of Broadcasting	
		Additional hours TBA.	
001		8:30 MWF	CB 0186
202-4		Broadcast Performance	
		Lab TBA.	
		9:30 T Th	CB 0137

TV-R cont'd.

300-5	001	Radio Production 1:30 M	CB 0139	
		1:30-3:20 W F	CB 0139	
301-5		Television Production [252, consent of instructor]		
	001	10:30 MWF	CB 1014	
		10:30-12:20 T Th	CB 1012	
302b-4		Television News [201]		
		Additional hours TBA.		
	001	11:30 MWF	CB 1014	
359-4		Dramatic Writing [Consent of instructor]		
	001	2:30-4:20 T Th	CB 0102	
390-3		Special Problems in Mass Communications [Project, by permit only]		
		Additional hours TBA.		
	001	TBA		
401-4		Criticism in the Public Arts [Senior standing]		
		Additional hours TBA.		
	001	12:30 T Th	CB 1014	
407-4		World Broadcasting		
		Additional hours TBA.		
	001	8:30 MWF	CB 1014	
408-4		Television and Radio Regulations [200 or by permit]		
		Additional hours TBA.		
	001	9:30 MWF	CB 1014	
466a-3		Advanced Practices [Consent of instructor]		
	001	TBA		
466b-3		Advanced Practices [466a]		
	001	TBA		

THEATER (THEA)

100-0,2,4 or 6		First Year Work in Theater [Permission of director of theater]		
	001	TBA	CB 2015	
200-0,2,4 or 6		Second Year Work in Theater [Permission of director of theater]		
	001	TBA	CB 2015	

Thea cont'd.

509-4		The High School Theater and Its Production Problems		
		Additional hours TBA.		
	e001	5:30-8:20 Th	PB 1309	Archer
519-1 to 4		Theater Practicum		
	e001	5:30-8:20 TBA		Branham
526-3		Seminar in Theater Arts		
		Additional hours TBA.		
	e001	5:30-8:20 M	PB 0410	Archer

TECHNICAL AND ADULT EDUCATION (T & AE)

CCS 105-3		Language Arts		
		Additional hours TBA.		
	e001	5:30-7:20 M	LB 0034	
CCS 109a-2		Personal Interaction		
	001	9:30-11:20 T	LB 0056	Naylor
		9:30 Th	LB 0056	
		English Review		
	e001	6:30-8:20 T	PB 0412	
	e002	6:30-8:20 Th	PB 0412	
	e003	8:30-10:20 W	PB 0412	
		Speed Reading		
	e001	4:30-6:20 T	PB 0412	
	e002	4:30-6:20 Th	PB 0412	
	e003	6:30-8:20 W	PB 0412	

300-0,2,4 or 6 Third Year Work in Theater [Permission of director of theater]
 001 TBA CB 2015
 400-0,2,4 or 6 Fourth Year Work in Theater [Permission of director of theater]
 001 TBA CB 2015

Students enrolling in Theater 100-400 must be advised by the Director of University Theater, Dr. Kluth, CB 1038, before their appointment with General Studies Advisement and before registering. Students will be assigned the following hours according to the amount of credit taken:

Acting Studio			
2:30-5:20	MW	CB 2015	
Directing Studio			
2:30-5:20	MW	LB 0054	
Technical Studio			
2:30-5:20	TTh	CB 2015	
Costume Studio			
1:30-3:20	MWF	CB 2019	
Make-up Studio			
1:30	Th	CB 2019	
2:30-4:20	F	CB 2019	
Stage Movement			
9:30	MTWThF	CB 2015	
10:30	MTWThF	CB 2015	
Dance Studio: Composition			
1:30	MWF	CB 2015	
Dance Studio: Labanotation			
1:30	TTh	CB 2015	
Dance Studio: Advanced Technique			
11:30-1:20	MWF	CB 2015	
Dance Studio: Ballet			
11:30-1:20	TTh	CB 2015	
Dance Studio: Repertory Rehearsal Theater			
e7:00-9:20	TBA	CB 2015	
Dance Studio: Dance Repertory			
e5:00-7:00	MWF	CB 2015	
Stage Design			
Additional hours TBA.			
e001	5:30-8:20	T	SL 1216 Vilhauer

412a-4

Spring Quarter
Listing of Classes

MAN'S PHYSICAL ENVIRONMENT AND BIOLOGICAL INHERITANCE (GSA)

101a-5 Introduction to Physical Science [Math 101 or satisfactory score on placement test]

Student enrolls in one lecture and one lab.

Lect A 9:30 MTWThF SL 1105

Lect B 12:30 MTWThF SL 3114

001 10:30-12:20 M

002 12:30-2:20 M

003 2:30-4:20 M

004 8:30-10:20 T

005 10:30-12:20 T

006 12:30-2:20 T

007 2:30-4:20 T

008 8:30-10:20 W

009 10:30-12:20 W

010 12:30-2:20 W

011 2:30-4:20 W

012 8:30-10:20 Th

013 10:30-12:20 Th

014 12:30-2:20 Th

015 2:30-4:20 Th

016 8:30-10:20 F

017 10:30-12:20 F

018 12:30-2:20 F

019 2:30-4:20 F

101c-3 Introduction to Physical Science [101a]

001 8:30 T Th SL 1105

002 8:30-10:20 M SL 1209

003 8:30 T Th SL 1105

004 8:30 T Th SL 1209

005 8:30 T Th SL 1105

12:30-2:20 W SL 1209

GSA cont'd.

005 2:30 MTW SL 1215 Thompson

2:30-4:20 Th SL 1215

e006 7:30-10:00 M W SL 1215 Werner

e201 6:00-8:20 T Th AC Steffen

110b-4 The Earth and Its Environment

001 9:30 TWThF SL 3114 Miller

002 8:30-10:20 M SL 1215

003 9:30 MWThF SL 3114 Miller

004 8:30-10:20 T SL 1215

005 12:30 TWThF PB 1410 Yarbrough

006 11:30-1:20 M SL 1215

007 12:30 MWThF PB 1410 Yarbrough

008 11:30-1:20 T SL 1215

e005 6:00-8:20 T Th SL 1215 Potter

e201 6:00-8:20 M W AB Bratton

204-4 Man's Biological Inheritance

Student enrolls in one lecture and one lab.

Lect 501 10:30 TThS SL 1105

Lect 502 2:30 MWF SL 1105

Lect 503 1:30 MWF SL 1105

001 8:30-10:20 M SL 1210

002 10:30-12:20 M SL 1210

003 12:30-2:20 M SL 1210

004 2:30-4:20 M SL 1210

e005 4:30-6:20 M SL 1210

011 8:30-10:20 T SL 1210

012 10:30-12:20 T SL 1210

013 12:30-2:20 T SL 1210

014 2:30-4:20 T SL 1210

021 8:30-10:20 W SL 1210

022 10:30-12:20 W SL 1210

023 12:30-2:20 W SL 1210

024 2:30-4:20 W SL 1210

e025 4:30-6:20 W SL 1210

031 8:30-10:20 Th SL 1210

032 10:30-12:20 Th SL 1210

007	10:30-12:20	Th	SL 1209	034	2:30-4:20	Th	SL 1210
	8:30	T Th	SL 1105	e035	4:30-6:20	Th	SL 1210
008	12:30-2:20	Th	SL 1209	041	8:30-10:20	F	SL 1210
	8:30	T Th	SL 1105	042	10:30-12:20	F	SL 1210
009	8:30-10:20	F	SL 1209	043	12:30-2:20	F	SL 1210
	8:30	T Th	SL 1105	044	2:30-4:20	F	SL 1210
010	12:30-2:20	F	SL 1209	051	8:30-10:20	S	SL 1210
	8:30	T Th	SL 1105	052	11:30-1:20	S	SL 1210
011	8:30-10:20	S	SL 1209	206-4			
	11:30	T Th	SL 1105	Life: Ecology and Diversity [204]			
012	10:30-12:20	T Th	SL 1209	Student enrolls in one lecture and one lab.			
	11:30	M	SL 1105	Lect 501	8:30	MWF	SL 1105
013	2:30-4:20	M	SL 1209	Lect 502	11:30	MWF	SL 1105
	11:30	T Th	SL 1105	001	8:30-10:20	M	SL 2211
014	8:30-10:20	T	SL 1209	002	10:30-12:20	M	SL 2211
	11:30	T Th	SL 1105	003	12:30-2:20	M	SL 2211
015	12:30-2:20	T	SL 1209	004	2:30-4:20	M	SL 2211
	11:30	T Th	SL 1105	011	8:30-10:20	T	SL 2211
016	2:30-4:20	T	SL 1209	012	10:30-12:20	T	SL 2211
	11:30	T Th	SL 1105	013	12:30-2:20	T	SL 2211
017	10:30-12:20	W	SL 1209	021	8:30-10:20	W	SL 2211
	11:30	T Th	SL 1105	022	10:30-12:20	W	SL 2211
018	2:30-4:20	W	SL 1209	023	12:30-2:20	W	SL 2211
	11:30	T Th	SL 1105	024	2:30-4:20	W	SL 2211
019	8:30-10:20	Th	SL 1209	031	8:30-10:20	Th	SL 2211
	11:30	T Th	SL 1105	032	10:30-12:20	Th	SL 2211
020	2:30-4:20	Th	SL 1209	033	12:30-2:20	Th	SL 2211
	11:30	T Th	SL 1105	041	8:30-10:20	F	SL 2211
	10:30-12:20	F	SL 1209	042	10:30-12:20	F	SL 2211
	10:30-12:20	F	SL 1209	043	12:30-2:20	F	SL 2211
110a-4	The Earth and Its Environment			210-4			
001	9:30	MTWF	PB 1410	The Fossil Origins of Man			
	8:30-10:20	Th	SL 1215	001	1:30	TWThF	SL 1215
002	9:30	MTWTh	PB 1410	312-3			
	8:30-10:20	F	SL 1215	Conservation of Natural Resources			
003	11:30	MTWF	PB 1410	001	8:30	MWF	PB 1410
	11:30-1:20	Th	SL 1215	002	8:05-9:20	T Th	PB 1410
004	11:30	MTWTh	PB 1410	003	10:30	MWF	PB 1315
	11:30-1:20	F	SL 1215	004	2:30	MWF	PB 1410
	11:30-1:20	F	SL 1215	005	2:30	T	PB 1410
	11:30-1:20	F	SL 1215	006	2:30-4:20	Th	PB 1410
	11:30-1:20	F	SL 1215		3:30	MWF	PB 0306
							Gore
							Yarbrough
							Kircher
							Kazeck
							Clements
							Bridwell
							Miller

007	3:30-4:45	T Th	PB 0306	Bridwell	007	9:30	MWF	PB 1402	
e008	8:30-9:45	T Th	PB 1410	Kilburn		10:30	Th	PB 1410	
314-3	Man's Genetic Heritage [204]				008	9:30	MWF	PB 1402	
001	10:30	MWF	PB 0312	Nair		11:30	Th	SL 1221	
320-4	Plants and Civilization [204]				009	9:30	MWF	PB 1402	
001	12:30	MWF	PB 1315	Keating		10:30	Th	PB 1412	
322-3	Introduction to Rocks and Minerals				e010	6:30-8:20	T Th	PB 1410	
001	10:30	TWThF	SL 1215	Gore	103a-4	Sociology-Economics			
e002	8:30-10:20	T Th	SL 1215	Gore	e001	6:30-8:20	T Th	PB 1414	Henslin
330-3	Weather				e002	4:30-6:20	T Th	PB 1414	
001	8:30	MTWTh	PB 0306	Thornton	e003	4:30-6:20	M W	PB 1414	Young
002	12:30	MTWTh	PB 0306	Bridwell	004	3:30	MTWTh	PB 1414	
003	2:30	MTWTh	PB 0306	Thornton	005	2:30-4:20	T Th	PB 0314	
331-3	Climate				006	1:30	TWThF	PB 1414	Valentine
001	9:30	MTWTh	PB 0306	Thompson	007	12:30	MTWTh	PB 1414	Haas
002	10:30	MTWTh	PB 0306	Hess	008	11:30	MTWTh	PB 0314	Young
003	1:30	MTWTh	PB 0306	Marlow	009	11:30	TWThF	PB 1414	Braswell
e004	6:30-8:20	T Th	PB 0306	Hess	010	10:30-12:20	W S	PB 1311	Blain
350-3	Atomic Energy				011	9:30	MTThF	PB 2403	Minnich
001	12:30	T Th	SL 1225		012	8:30-10:20	T Th	PB 3302	Valentine
002	12:30	F	PB 1414						
003	10:30	MWF	PB 1308		201	8:30	MTWTh	AA	
352-3	8:05-9:20	T Th	PB 1313		103b-4	Sociology-Economics			
001	Radiation and Life			Parrill	001	10:30	MWThF	PB 1402	
356-3	11:30	MWF	PB 1315		002	2:30-4:20	T Th	PB 2306	
001	Astronomy				003	12:30-2:20	M W	PB 3305	
001	2:30	MWF	PB 0304		004	12:30-2:20	T Th	PB 1315	
002	8:05-9:20	T Th	LB 0034		e005	4:30-6:20	M W	PB 1312	
003	10:30-11:45	T Th	PB 1312		e006	6:30-8:20	T Th	PB 1315	
004	1:30	MWF	PB 1312		105a-4	The Black Experience in American Life			
005	8:30	MWF	PB 0312		001	3:30	MTWTh	PB 3306	McAfee
e006	8:30-9:45	M W	SL 0026		201a-4	The Individual and His Cultural Environment			
007	12:30-1:45	T Th	PB 3315		001	8:30	MTWTh	PB 1316	Frisbie
363a-3	Philosophy of Science (Same as GSC 363a) [Completion second-level GSA]				002	9:30	TWThF	PB 1316	Aschenbrenner
001	10:30	T Th	PB 0307	Solon	003	10:30	TWThF	PB 1316	Denny
e002	10:30	F	PB 0306		004	11:30	MTWTh	PB 1316	Maloney
	8:30-9:45	M W	PB 0413	Solon	005	3:30-5:20	T Th	PB 1316	Hayes

[illegible]

ORGANIZATION AND COMMUNICATION OF IDEAS (GSD)

254-4	Philosophical GSC]	Masterpieces	[Completion	first-level
001	8:30	MTThF	PB 0408	Hamrick
002	9:30	MTThF	PB 1313	Hudlin
003	10:30	MTThF	PB 0408	
004	11:30	MTThF	PB 3404	
005	12:30	MTThF	PB 0408	Hamrick
006	12:30	MTThF	PB 0412	Hudlin
007	1:30	MTThF	PB 3117	Hamrick
e008	6:30-8:20	T Th	PB 0408	Hudlin
e009	8:30-10:20	T Th	PB 0408	Hudlin
313-3	Folklore [Completion second-level GSC]			
001	2:30-3:45	T Th	PB 0309	
e002	6:30-7:45	T Th	PB 0309	
315-3	Studies in Biography [Completion second-level GSC]			
001	10:30	MWF	PB 0307	
325-3	Afro-American Literature [Completion second-level GSC]			
001	8:30	MWF	PB 0309	
330-3	XX Religion, Reason, and Man [Completion second-level GSC]			
001	9:30	MTTh	PB 0408	F. Marti
002	11:30	MTTh	PB 1308	F. Marti
003	12:30-1:45	M	PB 0403	Corr
	12:30-1:45	W	PB 0314	
333-3	The Bible as Literature [Completion second-level GSC]			
001	10:30	T Th	PB 3404	Murdoch
	10:30	F	PB 0314	
002	12:30	T Th	PB 2412	Murdoch
	12:30	F	PB 0306	
335-3	Studies in Short Fiction [Completion second-level GSC]			
001	9:30	MWF	PB 0309	
002	1:30	MWF	PB 0309	
e003	6:30-7:45	M W	PB 0309	
336-3	Studies in the Novel [Completion second-level GSC]			
001	11:30	MWF	PB 0309	
e002	8:30-9:45	T Th	PB 0309	
100-1	Study Skills			
001	2:30-4:20	M		PB 1313
002	2:30-4:20	T		PB 1313
003	2:30-4:20	Th		PB 1313
e004	5:00-6:50	W		PB 0403
101a-3	English Composition			
001	8:05-9:20	T Th		PB 2414
002	8:30	MWF		PB 2414
003	12:30-1:45	T Th		PB 3312
004	9:30-10:45	T Th		PB 2414
005	12:30-1:45	T Th		PB 3311
006	9:30	MWF		PB 2414
007	10:30	MWF		PB 2414
008	11:05-12:20	T Th		PB 2414
009	11:30	MWF		PB 2414
010	12:30	MWF		PB 2414
011	12:30	MWF		PB 2413
012	1:30	MWF		PB 2414
013	2:05-3:20	T Th		PB 2414
014	2:30	MWF		PB 2414
015	3:30	MWF		PB 2414
e016	4:30	MWF		PB 3302
e017	6:30-7:45	M W		PB 2414
e018	8:30-9:45	T Th		PB 2414
101b-3	English Composition [101a]			
001	8:05-9:20	T Th		PB 2406
002	8:05-9:20	T Th		PB 1309
003	8:30	MWF		PB 2406
004	8:30	MWF		PB 1309
005	9:30-10:45	T Th		PB 2406
006	9:30-10:45	T Th		PB 1309
007	9:30	MWF		PB 2406
008	9:30	MWF		PB 1309
009	10:30	MWF		PB 2406
010	11:05-12:20	T Th		PB 2406
011	12:30-1:45	T Th		PB 2414
012	11:30	MWF		PB 2406
013	12:30	MWF		PB 2406

337-3	The English Language Heritage [Completion Secs]	01-12:30	MWF	PB 2405
	level GSC]			
001	2:30-3:45 T Th PB 0307	015 1:30	MWF	PB 2406
339-3	Classical Mythology and Its Influence [Completion second-level GSC]	016 1:30	MWF	PB 1309
		017 2:05-3:20	T Th	PB 2406
001	10:30 MWF PB 0309	018 12:30-1:45	T Th	PB 2406
002	2:30 MWF PB 0309	019 2:30	MWF	PB 2406
345c-3	Masterpieces of World Literature [Completion second-level GSC]	020 2:30	MWF	PB 1309
		021 3:30	MWF	PB 2406
001	8:30 MWF PB 2409 Guenther	e022 6:30-7:45	M W	PB 3409
354a-3	History of the Theater	e023 8:30-9:45	T Th	PB 2406
001	9:30 MWF PB 0304 Archer	103-3	Oral Communication of Ideas	
354c-3	History of the Theater	e001 6:30-7:45	M W	PB 0410
001	11:30 MWF LB 0034 Archer	e002 6:30-7:45	T Th	PB 0410
358-3	Jazz	e003 4:30-5:45	M W	PB 0410
001	1:30 MWF PB 1315 Hicks	004 2:30-3:45	T Th	PB 0410
360b-3	Arts and Ideas in Famous Cities [Completion second-level GSC]	005 2:30-3:45	M W	PB 0410
001	1:30 MTTh PB 0408 F. Marti	006 1:30	MWF	PB 0410
363a-3	Philosophy of Science (Same as GSA 363a) [Completion second-level GSC]	007 2:30	MWF	LB 0058
001	10:30 T Th PB 0307 Solon	008 1:30	MWF	LB 0058
	10:30 F PB 0306	009 2:30-3:45	M W	PB 1308
e002	8:30-9:45 M W PB 0413 Solon	010 11:30-12:45	T Th	PB 1309
363b-3	Philosophy of Science (Same as GSA 363b) [Completion second-level GSC]	011 12:30	T Th	PB 2413
001	8:30 T Th PB 0307 Wolf	012 12:30	F	PB 3316
002	1:30 T Th PB 0307 Wolf	013 12:30	M W	LB 0058
	1:30 F PB 0306	014 11:30	F	PB 3316
370a-3	American Art	015 10:30	T Th	LB 0058
001	2:30 MWF LB 0044 Hilberry	016 10:30	F	PB 3316
375-3	Ethics [Completion second-level GSC]	017 10:30	T Th	LB 0058
001	9:30 MWF PB 0307 Solon	018 10:30	F	PB 3316
002	11:30 MWF PB 0307 Lawrence	019 10:30	M W	LB 0058
003	1:30 MWF PB 0307 Lawrence	019 9:30	F	LB 0058
e004	8:30-9:45 M W PB 0408	9:30	T Th	PB 3316
			F	LB 0058
				PB 3315

HEALTH AND PHYSICAL DEVELOPMENT (GSE)

e020	9:30	M W	LB 0058	Goethe
	9:30	F	PB 3315	
e021	9:30	T Th	PB 0410	Tirre
	9:30	F	PB 3316	
e022	9:30	M W	PB 0410	Tirre
	9:30	F	PB 3316	
e023	9:30	MWF	CB 0186	Estes
e024	8:30	T Th	LB 0058	Estes
	8:30	F	PB 3316	
e025	8:30	M W	LB 0058	Estes
	8:30	F	PB 3316	
e201	6:30-7:45	T Th	AE	Glenn
e202	8:30-9:45	T Th	AE	Glenn
112b-5	Introduction to Mathematics [112a]			
001	8:30	MTWThF	SL 0226	
002	10:30	MTWThF	LB 0055	
003	12:30	MTWThF	LB 0055	
004	2:30	MTWThF	LB 0055	
e005	6:00-8:20	M W	SL 0226	
114a-5	College Algebra [One and one-half years high school algebra and one year high school geometry or equivalent]			
001	8:30	MTWThF	SL 2224	
002	8:30	MTWThF	PB 0303	
003	9:30	MTWThF	PB 0303	
004	10:30	MTWThF	PB 0303	
005	11:30	MTWThF	PB 0303	
006	12:30	MTWThF	PB 0302	
007	1:30	MTWThF	PB 0303	
e008	6:00-8:20	M W	PB 0302	
e201	6:00-8:20	T Th	AB	
114c-4	Trigonometry [114a]			
001	8:30	MTThF	PB 0302	
002	9:30	MTThF	LB 0055	

102-1	Physical Fitness (Men)			
001	9:30	M W	PB N Patio	J. Martin
002	8:30	T Th	PB N Patio	McBride
104f-1	Soccer			
001	9:30	T Th	PB N Patio	McBride
112-1	Basic Body Movement (Women)			
001	10:30	T Th	LB 0033	M. Martin
114j-1	Softball [Consent of instructor]			
	Starts April 12.			
001	12:30	MWF	PB N Patio	DeLong
114n-1	Field Hockey [Consent of instructor]			
	Starts April 12.			
001	1:30	MWF	PB N Patio	DeLong
114o-1	Physical Conditioning			
001	2:30	M W	PB N Patio	M. Martin
115c-1	Restricted Physical Education			
001	TBA			
116a-1	Beginning Swimming			
001	10:30	T Th	Edw. YMCA	Piper
116b-1	Intermediate Swimming			
001	10:30	T Th	Edw. YMCA	Piper
116d-1	Life Saving and Water Safety [Intermediate swimming proficiency]			
001	9:30	T Th	Edw. YMCA	Piper
117a-1	Square Dance			
e001	4:30	T Th	LB 0033	M. Martin
002	11:30	M W	LB 0033	Carpenter
117b-1	Folk Dance			
001	12:30	M W	LB 0033	Carpenter
002	9:30	M W	LB 0033	Carpenter
117c-1	Social Dance			
001	3:30	T Th	LB 0033	M. Martin
002	11:30	T Th	LB 0033	M. Martin
117d-1	Beginning Contemporary Dance			
001	12:30	T Th	LB 0033	M. Martin
117e-1	Intermediate Contemporary Dance			
001	12:30	T Th	LB 0033	M. Martin

				Basic Running times							
117f-1	001	3:30	M W	LB 0033	Carpenter						
	002	10:30	M W	LB 0033		Carpenter					
118a-1	001	Archery	M W	PB N Patio	M. Martin						
	002	12:30	M W	PB N Patio		M. Martin					
118d-1	001	Bowling	M W	UC 0017	Showers						
	002	10:30	M W	UC 0017		Showers					
	003	9:30	T Th	UC 0017	Bigham						
	004	8:30	M W	UC 0017		Showers					
	005	8:30	T Th	UC 0017	Bigham						
	118e-1	Golf									
	001	Both sections start April 12.			Gallatin						
	002	9:30	MWF	PB N Patio		Gallatin					
118f-1	001	10:30	MWF	PB N Patio							
	002	Billiards									
	001	Section 001 meets first six weeks only.			Hendricks						
	002	8:30	MTWTh	UC 0017							
	e201	5:30	M W	Gym 102	Hendricks						
	118h-1	Tennis [Consent of instructor]				Piper					
	001	TBA			Piper						
	002	TBA									
118i-1	001	Volleyball	M W	PB N Patio	McBride						
	002	10:30									
118w-1	001	Track and Field	T Th	PB N Patio	Whitted						
	002	12:30									
118z-1	001	Recreational Sports	M W	PB N Patio	Piper						
	002	1:30									
201-3	001	Healthful Living			Buddell						
	002	3:30	TWTh	LB 0034		Buddell					
	003	1:30-2:50	T Th	LB 0034	McBride						
	004	1:30	MWF	LB 0034		Bigham					
	005	10:30	MWF	LB 0034	Whitted						
	006	11:30	MWF	LB 0044		Bigham					
	007	12:30	MWF	PB 1312	Miller						
	008	8:30	TWTh	PB 1312							

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ACCOUNTING (ACCT)

332-4	001	Accounting Principles [Sophomore standing]			
	002	10:30-12:20 M W CB 0186			
333-4	e001	8:30-10:20 M W PB 3303			
	e002	Financial Accounting Analysis [332]			
334-4		8:30-10:20 M W PB 2403			
		6:30-8:20 T Th PB 3303			
		Managerial Cost and Budgeting [333, consent LIFT for Sections 201 and 202]			
	001	8:30-10:20 T Th PB 1307			
	002	12:30-2:20 T Th PB 2304			
	201	10:30-12:20 M W LH 102			
	202	9:30 F LH 103			
		2:30-4:20 T Th LH 102			
		1:30 F LH 103			
335-4		Principles of Income Taxation [333]			
	001	10:30-12:20 M W PB 2304			
		8:30 F PB 2304			
	002	8:30-10:20 T Th PB 2304			
		9:30 F PB 2304			
341-4		Cost Accounting Principles [Consent LIFT for Sections 201 and 202]			
	001	8:30-10:20 M W PB 2304			
		10:30 F PB 2304			
	002	12:30-2:20 M W PB 2304			
		2:30 F PB 2304			
	201	10:30-12:20 M W LH 102			
	202	9:30 F LH 103			
		2:30-4:20 T Th LH 102			
		1:30 F LH 103			
351a-4		Accounting Theory and Problems I			
	001	8:30-10:20 M W PB 2405			
		10:30 F PB 3302			
432-4		Problems in Federal Taxation			
	001	12:30-2:20 T Th PB 3303			
		1:30 F PB 2304			
439-1 to 4		Independent Study in Accounting			

330-4	001	Archaeology of North America			
		11:30 TWThF PB 0410			Denny
470-4	001	Special Topics in Anthropology			
		2:30-4:20 T Th PB 1308			Aschenbrenner
ART (ART)					
100a-5	001	Basic Studio: Drawing			
	002	2:30-4:20 MTWThF SL 0210			Hampton
100b-5	001	10:30-1:20 MWF SL 0217			Baber
	002	Basic Studio: Color and Design			
	001	10:30-1:20 TThS SL 0210			Milovich
	002	8:30-10:20 MTWThF SL 0217			Milovich
100c-5	e001	Basic Studio: Figure Drawing			
	002	6:30-9:50 M W SL 0225			Davis
	003	9:30-12:20 MWF SL 0225			Hampton
202a-3	e001	8:30-11:20 MWF SL 0210			Butler
	002	Intermediate Studio: Sculpture [100a,b,c]			
	003	5:30-8:20 M W Wagner 193 Marcell			
202b-3	001	Intermediate Studio: Prints [100a,b,c]			
	002	8:30-10:20 MWF SL 0218			Butler
202c-3	001	Intermediate Studio: Ceramics [100a,b,c]			
	002	1:30-3:20 MWF Wagner 192 Anderson			
202d-3	001	Intermediate Studio: Painting [100a,b,c]			
	002	1:30-4:20 T Th Wagner 198 Davis			
202g-3	001	Intermediate Studio: Watercolor [100a,b,c]			
	002	10:30-1:20 T Th SL 0217			Freund
225c-3	001	History of World Art			
	002	2:30-3:45 T Th PB 1312			
300a-4	e001	Art Education [Junior standing]			
	002	6:30-9:20 T Th SL 0209			J. Smith
	003	12:30-2:20 MWF SL 0209			Buddemeyer
300b-4	001	8:30-10:20 MWF SL 0209			J. Smith
	002	Art Education [300a]			
	003	2:30-4:20 MWF SL 0209			Buddemeyer
300c-4	e001	Art Education [300b]			
	002	5:30-8:20 M W SL 0209			Buddemeyer
	003	10:30-12:20 MWF SL 0209			J. Smith

453-4	001	8:30-10:20	T Th	PB 0403	305a,b,c-4	001	10:30-1:20	TThS	Wagner 192	Anderson
	e002	10:30	F	PB 1312		e002	4:30-7:20	MWF	Wagner 192	Anderson
		6:30-8:20	T Th	PB 2304		310a,b,c-4	Painting [202d]			
		5:30	T	PB 2304			8:30-11:20	T Th	Wagner 198	Hampton
	456-4		Auditing							
001	10:30-12:20	T Th	PB 2304	002	9:30-12:20	MW	Wagner 198	Freund		
e002	11:30	F	PB 2304		9:30-11:20	F				
	8:30-10:20	T Th	PB 2304	349c-3		Renaissance and Baroque Art				
533-4	201	5:30	Th	PB 2304	001	11:30	MWF	LB 0056		
		Managerial Accounting [530, MBA students]				Prints [202b]				
		1:30-4:20	T	LH 104	001	2:30-5:20	MWF	SL 0218	Malone	
		3:00-4:20	Th	LH 104	002	8:30-11:20	TThS	SL 0218	Butler	
						384b-4		Weaving and Design in Textiles		
ADMINISTRATIVE SERVICES (AD S)										
300-4	001	Introduction to Data Processing		001	1:30-3:20	MTWTh	SL 0205	Holm		
426-4	001	2:30-4:20	MW		CB 0186	Sculpture [202a]				
427-4	001	2:30-4:20	T Th	PB 2304	002	1:30-3:20	MWF	Wagner 193	Adkins	
	Information Storage and Retrieval Systems		8:30-11:20	TThS		Wagner 193	Marcell			
428-4	001	12:30-2:20	T Th	PB 3316	401-4	Research in Painting [310-8]				
	001	12:30-2:20	MW	PB 3316	e001	6:30-9:20	T Th	Wagner 198		
AEROSPACE STUDIES (A S)	001	Systems and Procedures [426 or consent of instructor]		001	1:30-4:20	T Th	Wagner 193	Adkins		
	12:30-2:20	MW								
	AEROSPACE STUDIES (A S)									
	340-0	001	Corps Training [By permit only, concurrent enrollment in 353]		e001	1:30-4:20	MW	Wagner 198		
	TBA			6:30-9:20		T Th	Wagner 193			
353-3	001	Professional Officer Course [By permit only, concurrent enrollment in 340]		001	11:30-3:20	T Th	SL 0218			
	8:30	MWTh	PB 2413		Blahous	1:30-4:20	TThS	Wagner 192		
	002	1:30	MWTh	PB 2413	441c-3	Studio in Drawing [12 hours of 300-level art]				
	Eberwine				001	1:30-4:20	TThS	SL 0225	Richardson	
ANTHROPOLOGY (ANTH)										
305a-3	001	Peoples and Cultures of the World: North America		e001	2:30-3:45	T Th	PB 3315			
10:30	MTWTh	PB 2413	Frisbie		466-2 to 12		Studio in Art Education			
307-3	001	People of Latin America		001	4:30-6:20	T Th	TBA	Holm		
	12:30	MTWTh	PB 0410		Maloney	483-3		Research in Art History		
	001				TBA			Richardson		

501-4	Graduate Painting	Wagner 198
e001	6:30-9:20 T Th	
502-4	Graduate Sculpture	Wagner 193
e001	6:30-9:20 T Th	
511-4	Graduate Printmaking	SL 0218
e001	4:30-7:20 T Th	
520-4	Graduate Ceramics	Wagner 192
001	1:30-4:20 Th	
566-4	Research in Art Education	
001	TBA	
571-4	Readings in Art History	
001	TBA	
599-5	Thesis	
001	TBA	

BIOLOGY (BIOL)

200-4	Introduction to Biological Sciences [Chem 125a or concurrent enrollment]	
001	11:30 MWF	Peterson
	8:30-11:20 M	SL 3114
002	11:30 MWF	Peterson
	12:30-3:20 M	SL 3114
003	11:30 MWF	Peterson
	8:30-11:20 W	SL 3114
004	11:30 MWF	Peterson
	12:30-3:20 W	SL 3114
005	11:30 MWF	Peterson
	3:30-6:20 W	SL 3114
006	11:30 MWF	Peterson
	8:30-11:20 F	SL 3114
007	11:30 MWF	Peterson
	12:30-3:20 F	SL 3114
210-4	Bacteriology [GSA 204]	
001	12:30 W F	LB 0044
	8:30-10:20 W F	SL 3217
002	12:30 W F	LB 0044
	10:30-12:20 W F	SL 3217

493-2	Research in Biology [By permit only]	
001	TBA	
506-4	Cellular Regulation [301a]	
e001	6:00-7:40 T	SL 1220
	6:00-7:40 Th	SL 2231
590-0.4	Graduate Biology Seminar	
001	4:00-5:00 T	SL 3114
591-1	Readings in Biology [By permit only]	
001	TBA	
593-1	Special Problems in Biology [By permit only]	
001	TBA	
595-2	Topics in Cellular and Molecular Biology [By permit only]	
001	TBA	Baich
596-2	Topics in Organismic Biology [By permit only]	
001	TBA	Broadbooks
599-2	Research and Thesis [By permit only]	
001	TBA	

BUSINESS ADMINISTRATION (B A)

449-1	Independent Study in Business Administration [Consent of instructor and chairman]	
001	TBA	
543-4	The Administrator [540]	
201	8:30-11:20 M	LH 104
	8:30-9:50 F	LH 104
e202	5:30-9:50 M	LH 104
548-4	Seminar in Managerial Performance [543]	
e001	5:30-9:50 Th	PB 3316
549-4	Corporate Policy Formulation and Administration [Final quarter standing]	
e001	5:30-9:50 W	PB 3303

BUSINESS COMMUNICATIONS (B C)

390-4	Business Communications [GSD 101b, concurrent enrollment in GBA 340. Consent LIFT for Sections	
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		201 and 202]			
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324b-4	e001	Advanced Shorthand and Transcription [324a or equivalent]	PB 3417
327-4	e001	Office Theories and Practices [201c or equivalent]	PB 3412
341-4	001	Office Machines	PB 3412
405-4	e001	Teaching General Business Subjects	PB 3315
510-4	e001	Improvement of Instruction in Secretarial Subjects	PB 3316
550-4	e001	Principles and Problems of Vocational Education [500]	
580-2	e001	Problem Seminar in Business Education [42 graduate hours]	PB 3316
590-2 to 5	e001	Readings in Business Education	PB 3315
	001	TBA	

CHEMISTRY (CHEM)

125b-5	e001	Chemical Structure and Dynamics [125a]	SL 3114	Firsching
	e002		SL 2215	
	e003		SL 3114	Firsching
			SL 2215	
			SL 3114	Firsching
			SL 2215	
235-5	001	General Quantitative Analysis [125b]	SL 3114	Drew
	002		SL 2217	
	003		SL 3114	Drew
	004		SL 2217	
			SL 3114	Drew
			SL 2217	
			SL 3114	Drew
			SL 2217	

469-2	e001	Special Problems in Physical Chemistry [Consent of instructor]	T Th	SL 2224
496-2	001	Chemical Problems [Consent of chairman]	TBA	
511-3	e001	Advanced Inorganic Chemistry	M W	SL 2224
541-3	001	Advanced Organic Chemistry	M W	SL 2224
559-2	e001	Advanced Topics in Biochemistry	M W	SL 2224
569-2	e001	Advanced Topics in Physical Chemistry	T Th	SL 2224
575-1	e001	Graduate Seminar	W	SL 2224
596-1 to 2	001	Advanced Chemical Problems [Consent of chairman]	TBA	
597-3 to 15	001	Research and Thesis [Consent of chairman]	TBA	

COUNSELOR EDUCATION (C ED)

305-4	001	Educational Psychology [By permit only, 003 and 004 for Ed S students only]	M W	LB 0054
	002	Additional hours TBA for Sections 005 and 006.	M W	LB 0054
	003		T Th	LB 0054
	004		T Th	LB 0054
	e005		W	LB 0034
	e006		Th	LB 0034
	007		S	LB 0054
	008		M W	PB 0406
350-4	001	XXHuman Development	T Th	SL 3114
410a-2	001	Dynamics of Campus Life	W	SL 2231
	001		W	SL 2231

DEANS COLLEGE (D C)

Deans College courses will be arranged as needed for those students registered in the Deans College. Student should contact Dr. Howard Davis, Coordinator, for permission to enroll in these courses.

ECONOMICS (ECON)

200-4	Macroeconomics			
001	12:30-2:20	M W	PB 3303	
002	8:30-10:20	T Th	PB 2405	
003	2:30-4:20	T Th	PB 2405	
e004	6:30-8:20	M W	PB 3315	
201-4	Microeconomics [Consent LIFT for Sections 201 and 202]			
001	8:30-10:20	M W	PB 3302	
002	8:30-10:20	T Th	PB 3313	
003	12:30-2:20	M W	PB 3302	
004	12:30-2:20	T Th	PB 3313	
e005	8:30-10:20	M W	PB 3302	
e006	6:30-8:20	T Th	PB 3313	
201	10:30-12:20	T Th	LH 102	
	11:30	F	LH 103	
202	2:30-4:20	M W	LH 102	
	3:30	F	LH 103	
300-4	The Monetary System and Economic Policy [200, 201]			
001	10:30-12:20	M W	PB 3303	
e002	8:30-10:20	M W	PB 3313	
003	10:30-12:20	T Th	PB 3315	
340-4	Intermediate Micro Theory [200, 201]			
001	8:30-10:20	M W	PB 2306	
409-1 to 4	Independent Study in Economics [340, 441]			
001	TBA			
433-4	Introduction to Urban Economics [200, 201]			
001	10:30-12:20	T Th	PB 3313	
436-4	Government and Labor [310 or consent of instructor]			
e001	8:30-10:20	M W	PB 1414	
441-4	Intermediate Macro Theory [200, 201 or consent of instructor]			

ELEMENTARY EDUCATION (ED EL)

314-4	Elementary School Methods [Ed Ad 355, consent of Education Division Student Services Office]			
	Section 001—concurrent enrollment in 365 required; Section 003—concurrent enrollment in IT 417 required; Section 004—four extra sessions TBA.			
001	8:30-10:20	M W	PB 0403	Steinbrook
002	8:30-10:20	T Th	PB 0409	Kuenzli
003	12:30-2:20	T Th	PB 0403	Darnell
e004	5:30-8:20	W	PB 0408	Kuenzli
316-4	Kindergarten-Primary Methods and Curriculum [Ed Ad 355, consent of Education Division Student Services Office]			
001	12:30-2:20	T Th	PB 0409	Kuenzli
350-4 to 12	Kindergarten-Primary Student Teaching [C Ed 305, Ed Ad 355, 316, approval of elementary education adviser]			
001	TBA			
351-4 to 16	Elementary Student Teaching [314, C Ed 305, Ed Ad 355, other courses listed in each area of concentration, approval of elementary education adviser]			
001	TBA			
365-4	Learning Theories and the Elementary School Child [Concurrent enrollment in 314 Section 001 required]			
001	10:30-12:20	M W	PB 0403	Steinbrook
413-4	Children's Literature [C Ed 305]			
e001	5:30-8:20	W	PB 0312	Darnell
002	2:30-4:20	T Th	PB 1307	Carpenter
415-4	Improvement of Instruction in Arithmetic in the Elementary School			
	Four extra sessions TBA for Section 002.			
001	10:30-12:20	T Th	PB 0406	Steinbrook
e002	5:30-8:20	T	PB 3310	O'Brien
437-4	Problems in Reading [Ed Rd 337]			
	Additional tutoring sessions TBA.			
001	2:30-4:20	M W	PB 0409	Bear
442-4	Teaching Science in the Elementary School [314]			

e001	6:30-8:20	M W	LB 3313
517-4	Monetary Theory and Policy [315 and 441, or consent of instructor]		
e001	6:30-9:20	W	PB 3306
	8:30	S	PB 3306
530-4	International Economics and Finance [429 or consent of instructor]		
e001	6:30-9:20	T	PB 3315
	9:30	S	PB 3315

EDUCATION ADMINISTRATION (ED AD)

501-4	Seminar in Educational Administration		
e001	5:30-8:20	T	PB 2406 Helsel
511b-4	Internship Practicum [Consent of instructor]		
001	TBA		Lows
517-4	Research Seminar in Educational Administration		
e001	5:30-8:20	Th	PB 2406 Helsel
519-4	Legal Basis of American Education		
e001	5:30-8:20	M	PB 2412 Ackerslund
520-4	Illinois School Law		
e001	5:30-8:20	T	PB 2412 Wilkins
524-4	Fundamentals of Educational Administration		
e001	5:30-8:20	T	PB 0413 Krchniak
525-4	Personnel Administration		
e001	5:30-8:20	Th	PB 1308 Ackerslund
533-4	School Facility Planning		
e001	5:30-8:20	M	PB 2406 Andree
535-4	School Business Administration		
e001	5:30-8:20	W	PB 2412 Wilkins
555-4	Educational Supervision		
001	9:00-11:50	S	PB 2403 Lows
556-4	Seminar in Educational Supervision		
e001	5:30-8:20	T	PB 1308 Lows
564-4	Secondary School Organization and Administration		
e001	5:30-8:20	W	PB 2406 Andree
575a-k-2 to 4	Individual Research [Consent of chairman]		
001	TBA		
596-5 to 9	Field Study [Consent of chairman]		
001	TBA		

e001	5:30-8:20	Th	LB 0054 Carpenter
480-4	Backgrounds in Urban Education		
e001	5:30-8:20	M	PB 0403 Gore
505-4	Improvement of Reading Instruction		
e001	5:30-8:20	T	PB 0403 Turner
e002	5:30-8:20	Th	PB 0409 Turner
507-4	Readings in Reading [505, consent of chairman]		
001	TBA		
513-4	Materials and Methods for the Assessment of the Disabled Reader [505]		
e001	5:30-8:20	M	PB 0409 Richardson
521a-4	Diagnosis and Correction of Reading Disabilities [513, consent of instructor]		
eLect	7:00-8:45	Th	PB 0403 Richardson
eClinic 1	4:30-5:45	Th	PB 0405 Richardson
eClinic 2	5:45-7:00	Th	PB 0405 Richardson
521c-4	Diagnosis and Correction of Reading Disabilities [521b, consent of instructor]		
	Student enrolls in lecture and one clinic.		
	7:00-8:45	W	PB 0403 Bear
eLect	4:30-5:45	W	PB 0405 Bear
eClinic 1	5:45-7:00	W	PB 0405 Bear
eClinic 2	Language Arts in the Elementary School		
542-4	5:30-8:20	M	PB 0408 Darnell
e001	Special Investigations in Elementary Social Studies [433 or consent of instructor]		
544-4	5:30-8:20	M	PB 3404 Carpenter
e001	Practicum in Urban Education		
553-4	TBA		
e001	The Elementary School Curriculum		
561-4	5:30-8:20	Th	PB 2403 Comer
e001	Individual Research [Ed Ad 500, consent of adviser]		
575a-k-4	TBA		
001	Advanced Research in Elementary Education [Ed Fd 500 or consent of instructor]		
588-4	5:30-8:20	Th	PB 3306 Jordan
e001			

EDUCATION FOUNDATIONS (ED FD)

355-4	Philosophy of Education [C Ed 305, consent of Education Division Student Services Office]	
001	9:30-11:20 T Th	PB 1306 Andris
002	12:30-2:20 M W	PB 0406 Hofmann
003	2:30-4:20 M W	PB 0413 Curry
004	11:30-1:20 T Th	PB 1306 Andris
e005	5:30-9:10 M	PB 0406 Mason
e006	5:30-9:10 T	PB 0406 Curry
e007	5:30-9:10 W	PB 0406 Hofmann
e008	5:30-9:10 Th	PB 0406
431-4	History of Education in the United States	
e001	5:30-9:10 T	LB 0044 Mason
500-4	Research Methods in Education	
e001	5:30-8:20 M	LB 0055 Hildebrand
e002	5:30-8:20 T	PB 2306 Popp
e003	5:30-8:20 W	PB 1315 Andris
e004	5:30-8:20 Th	PB 1313 Popp
e005	5:30-8:20 M	PB 1315 Popp
501-4	Sociological Foundations of Education	
e001	5:30-8:20 Th	LB 0056 Richards
502-4	Comparative Education	
e001	6:30-9:20 M	PB 1302 Wantling
554-4	Philosophic Inquiry and Educational Issues	
e001	6:30-9:20 W	PB 1302 Villemain
575a-e-2 to 4	Individual Research [Consent of chairman]	
001	TBA	

EDUCATION READING (ED RD)

337-4	Reading in the Elementary Schools [314, C Ed 305, Ed Ad 355]	
	Four extra sessions TBA for Section 004.	
001	2:30-4:20 T Th	PB 0409 Starr
002	12:30-2:20 M W	PB 0409 Starr
003	8:30-10:20 M W	PB 0409 Starr
e004	5:30-8:20 T	PB 0409

551-4	Community Junior College Curriculum	
e001	5:30-8:20 W	PB 0304 Boss
553-4	Practicum in Urban Education	
001	TBA	
560-4	Concepts and Principles of Curriculum Development	
e001	5:30-8:20 Th	PB 0312 Smyers
562-4	Secondary School Curriculum	
e001	5:30-8:20 T	PB 0312 Smyers
565-4	The Community Junior College	
e001	5:30-8:20 M	PB 2403 Goodwin
575a-j-4	Individual Research [Consent of chairman]	
001	TBA	
596-5 to 9	Field Study [Consent of chairman]	
001	TBA	
599-3 to 9	Thesis [Consent of chairman]	
001	TBA	

ENGINEERING (ENGR)

101b-3	Engineering Graphics	
001	2:30-4:20 MWF	SL 1216
101c-3	Engineering Graphics	
001	10:30-12:20 MWF	SL 1216
e002	6:30-9:20 M W	SL 1216
200c-3	Circuit Analysis [Math 150a]	
001	1:30 MWF	PB 3315
e002	5:30-6:45 M W	SL 1221
201c-1	Circuit Analysis Laboratory [Concurrent enrollment in 200c]	
001	11:30-2:20 T	SL 1212
002	2:30-5:20 T	SL 1212
e003	7:00-10:00 T	SL 1212
220-3	Electrical Circuits [Math 150b]	
001	10:30 MWF	CB 0194
221-1	Electrical Circuits Laboratory	
001	2:30-5:20 Th	SL 1212
260b-4	Engineering Mechanics [260a]	
001	9:30 MTWF	SL 2224

315-4	Secondary Methods [Ed Ad 355, consent of Education Division Student Services Office] Laboratory assignments TBA with instructor. Section 006—concurrent enrollment in IT 417 Section 004 required.				
001	8:30-10:20	M W	PB 0406	Wilson	
002	10:30-12:20	M W	PB 0409	Schnabel	
003	10:30-12:20	T Th	PB 0409	Keefe	
e004	7:00-10:20	Th	PB 0413	Wilson	
e005	5:30-9:00	Th	PB 0413	Wilson	
006	12:30-2:20	T Th	PB 0406	Madson	
352-8 to 16	Secondary Student Teaching [315, consent of Education Division Student Services Office] Specific sections cover each subject offered in secondary schools. 002 to 025 TBA				
480-4	Backgrounds in Urban Education				
e001	5:30-8:20	M	PB 0403	Gore	
505-4	Improvement of Reading Instruction				
e001	5:30-8:20	T	PB 0403	Turner	
e002	5:30-8:20	Th	PB 0409	Turner	
507-4	Readings in Reading [505, consent of chairman]				
001	TBA				
508-4	Recent Issues and Trends in Secondary Education				
e001	5:30-8:20	M	PB 0304	Schnabel	
513-4	Materials and Methods for Assessment of the Disabled Reader [505]				
e001	5:30-8:20	M	PB 0409	Richardson	
515-4	Community College Practicum				
001	TBA				
521a-4	Diagnosis and Correction of Reading Disabilities				
eLect	Student enrolls in lecture and one clinic.				
eClinic 1	7:00-8:45	Th	PB 0403	Richardson	
eClinic 2	4:30-5:45	Th	PB 0405		
521c-4	5:45-7:00	Th	PB 0405		
	Diagnosis and Correction of Reading Disabilities				
	Student enrolls in lecture and one clinic.				
eLect	7:00-8:45	W	PB 0403	Bear	
eClinic 1	4:30-5:45	W	PB 0405		
eClinic 2	5:45-7:00	W	PB 0405		

enrollment in 312a]					
7:30-8:45	M W	PB 2409			
Engineering Materials Laboratory [Concurrent enrollment in 311a]					
8:55-9:20	M W	PB 2409			
Soils Engineering [311, 312]					
1:30	M W	SL 1221			
9:00-12:30	S	SL 1221			
Engineering Electromagnetics [Math 350b, Phys 211c]					
8:30	MWThF	LB 0055			
Structural Analysis and Design II [340a]					
8:30	MWThF	SL 1221			
Surveying [GSD 114c]					
9:30-2:20	S	SL 1216			
Generalized Radiation [330, concurrent enrollment in 405b]					
11:30	MTWTh	SL 2224			
Generalized Radiation Laboratory [330, concurrent enrollment in 405a]					
11:30	F	SL 2224			
Engineering Design [410]					
12:30	MWF	SL 1220			
Microwave Theory and Techniques [330, 410a]					
12:30-2:20	T Th	PB 1307			
Automatic Control Theory [B.S. degree in mathematics, natural science or engineering]					
7:30-9:20	M W	PB 3312			

ENGLISH (ENG)

300-4	Principles of English	Grammar	[Completion of second-level GSC]	
001	9:30	MTThF	PB 0413	
002	11:30	MTThF	PB 0413	
003	1:30	MTThF	PB 0413	
e004	6:30-8:20	M W	PB 0413	
302a-4	Survey of English Literature to 1660 [Completion of second-level GSC]			
001	8:30	MTThF	PB 0413	

302b-4	Survey of English Literature: 1660-1830 [Completion of second-level GSC]	10:30	MTThF	PB 0413	
001					
302c-4	Survey of English Literature after 1830 [Completion of second-level GSC]	9:30	MTThF	PB 0412	
001		1:30	MTThF	PB 0412	
002		8:30-10:20	M W	PB 0309	
e003					
309a-4	Survey of American Literature to 1860 [Completion of second-level GSC]	8:30	MTThF	PB 0412	
001		6:30-8:20	M W	PB 0307	
e002					
309b-4	Survey of American Literature: 1860 to Present [Completion of second-level GSC]	12:30	MTThF	PB 0413	
001		8:30-10:20	T Th	PB 0307	
e002					
391-3	Usage in Spoken and Written English [Completion of second-level GSC]	8:30	MWF	PB 0307	
001		12:30	MWF	PB 0307	
002		2:30	MWF	PB 0307	
003		8:30-9:45	M W	PB 0307	
e004					
404c-4	Middle English Literature: Canterbury Tales [Completion of second-level GSC, junior standing]	8:30-10:20	M W	PB 2413	
e001					
405a-4	Descriptive Linguistics [Completion of second-level GSC, junior standing]	6:30-8:20	T Th	PB 3409	
e001					
405b-4	Descriptive Linguistics [Completion of second-level GSC, junior standing]	2:30	MTThF	PB 2415	
001					
420b-4	American Poetry: Since 1900 [Completion of second-level GSC, junior standing]	11:30	MTThF	PB 2413	
001					
421a-4	English Poetry: Early Romantics [Completion of second-level GSC, junior standing]	6:30-8:20	T Th	PB 2413	
e001					
441-4	The Eighteenth Century Fescav [Completion of				

FINANCE (FIN)

528-4	Seminar in Finance [523]			
e001	5:30-9:50	T		PB 3306

FOREIGN LANGUAGE (FL)

399-2	Readings [By permit only]			
001	12:30	T Th		TBA
e002	4:30	T Th		TBA
003	10:30	W S		TBA
004	10:30	W S		TBA
005	9:30	W S		TBA
006	9:30	W S		TBA

G. Marti
M. Delhomme

FRENCH (FR)

123c-1	French Conversation [Concurrent enrollment in GSD 123c]			
e001	7:55-8:20	T Th		PB 2409
002	1:30	F		PB 2409
003	11:30	F		PB 2409
004	9:30	F		PB 2409
232-3	Intermediate Intensive French III [230, 231]			
001	9:30	MWF		PB 1308
250b-5	Intermediate Comprehensive French [250a]			
001	9:30	MTWThF		PB 3117
250c-5	Intermediate Comprehensive French [250b]			
001	12:30	MTWThF		PB 2411
002	10:30	MTWThF		PB 3117
301c-4	French Literature from 18th Century to the Contemporary Period [250 or consent of chairman]			
001	2:30-4:20	M W		PB 2410
311c-3	French Culture and Civilization [250 or consent of chairman]			
001	11:30	MWF		PB 1309
002	11:30	MWF		PB 1302
351b-3	Advanced French Conversation and Composition [351a]			
001	2:30-3:45	T Th		PB 2410
400-3	Readings in French [See normat only]			

e001	4:30-6:20	M W	PB 3422	German	e001	3:30-7:20	M W	PB 3312
454a-4	English Fiction: 18th Century Novel [Completion of second-level GSC, junior standing]				GERMAN (GER)			
001	9:30 MTThF PB 2413 Slattery				126c-1	German Conversation [Concurrent enrollment in GSD 126c]		
458b-4	American Fiction: Novels since 1914 [Completion of second-level GSC, junior standing]				e001	6:55-7:20 T Th PB 2410		
001	12:30 MTThF PB 1308 Austin				002	2:30 F PB 2409		
460a-4	English Drama: Elizabethan [Completion of second-level GSC, junior standing]				003	11:30 F PB 2410		
e001	6:30-8:20 M W PB 2413 Taylor				004	9:30 F PB 2410		
468-4	American Drama [Completion of second-level GSC, junior standing]				250c-5	Intermediate Comprehensive German [250b]		
001	2:30 MTThF PB 2413 Zanger				001	1:30 MTWTh PB 2411		
471a-4	Shakespeare: Histories and Comedies [Completion of second-level GSC, junior standing]				002	1:30 F PB 2403		
001	10:30 MTThF PB 0304 Murphy				002	8:30 MTWThF PB 2411		
485-4	Problems in Teaching English [Completion of second-level GSC, junior standing]				251-4	Scientific German [One year of college German or equivalent]		
e001	8:30-10:20 T Th PB 2411 Meyer				001	TBA		Ryberg
490-4	Advanced Composition [Completion of second-level GSC, junior standing]				311c-3	German Culture and Civilization [250 or consent of chairman]		
e001	4:30-6:20 T Th PB 2411				001	12:30 MWF PB 1313		
492-4	Professional Writing II [Completion of second-level GSC, junior standing]				311f-3	German Culture and Civilization [One quarter of any 300-level German course or equivalent]		
001	8:30 MTThF PB 1308 Hobbie				001	10:30 T PB 1402		
504-4	Advanced English Syntax [Graduate standing]				001	10:30 W PB 2410		
e001	6:30-8:20 T Th PB 1302 Wood				316c-4	German Literature from Romanticism to Modern Times [250 or consent of chairman]		
520-4	Studies in Romantic Writers [Graduate standing]				001	12:30-2:20 W PB 2409		
e001	4:30-6:20 T Th PB 1302 Ades				499-3	12:30-2:20 F PB 3302		
521-4	Studies in Victorian Poetry [Graduate standing]				e001	Readings in German [By permit only]		
001	10:30 MTThF PB 1302 Duncan				509a-2	4:30-5:45 T Th PB 3409		
524-4	Studies in the Metaphysical Poets [Graduate standing]				e001	Old High German [Graduate standing, concurrent enrollment in 509b]		
e001	8:30-10:20 T Th PB 1302 Revard				509b-2	5:00-6:40 T PB 3311		
536-4	Studies in Later 19th Century American Writers: Henry James [Graduate standing]				e001	Old High German [Graduate standing, concurrent enrollment in 509a]		
e001	4:30-6:20 M W PB 1302 Joost				513-3	5:00-6:40 Th PB 3311		
538-4	Problems in American Literature [Graduate standing]				e001	Twentieth Century German Novel [Graduate standing]		
e001	4:30-6:20 M W PB 0307				e001	6:45-8:00 T Th PB 3311		
585-4	Teaching College Composition [Graduate standing]							
e001	4:30-6:20 W F PB 3302 Hollander							

FL cont'd.

ITALIAN (ITAL)

144c-1 Italian Conversation [Concurrent enrollment in GSD 144c]

001 11:30 F PB 2411

002 10:30 F PB 2411

250c-5 Intermediate Comprehensive Italian [250b]

001 12:30 MTWThF PB 2410

499-3 Readings in Italian [By permit only]

e001 4:30-5:45 M W PB 2410

LATIN (LAT)

499c-4 Readings in Latin [499b, by permit only]

001 12:30-2:20 M W TBA

RUSSIAN (RUSS)

136a-1 Russian Conversation [Concurrent enrollment in GSD 136a]

e001 6:20-6:45 M W PB 2409 Zaytzeff

136c-1 Russian Conversation [Concurrent enrollment in GSD 136c]

001 10:30 F PB 2409 Zaytzeff

250c-5 Intermediate Comprehensive Russian [250b]

001 1:30 MTWThF PB 1308 Zaytzeff

499-3 Readings in Russian [By permit only]

e001 4:30-5:45 M W PB 2414

SPANISH (SPAN)

140b-1 Spanish Conversation [Concurrent enrollment in GSD 140b]

001 9:30 F PB 2411

140c-1 Spanish Conversation [Concurrent enrollment in GSD 140c]

e001 7:55-8:20 M W PB 2410

002 12:30 F PB 2409

003 10:30 F PB 2410

004 8:30 F PB 2410

250c-5 Intermediate Comprehensive Spanish [250b]

001 1:30 MTWThF PB 2410

GBA cont'd.

e009 6:30-8:20 M PB 1402

e010 6:30-8:20 Th PB 1402

e011 6:30-8:20 M PB 1402

e012 6:30-8:20 Th PB 2306

e013 6:30-8:20 M PB 1402

e014 6:30-8:20 Th PB 3310

e015 6:30-8:20 M PB 1402

e016 6:30-8:20 Th PB 3117

340-4 Organizational Behavior and Decision Making [140, GSB 201a,c]

001 8:30-10:20 M W PB 3315

002 10:30-12:20 M W PB 3313

341-4 Organizational Problems [340]

e001 6:30-8:20 M W PB 1307

e002 8:30-10:20 T Th PB 3404

342-4 Contracts-Agency Law

e001 6:30-8:20 M W PB 0306

440-4 Legal Environment of Business

001 8:30-10:20 T Th PB 2306

441-4 Business Policy [341, 440]

001 8:30-10:20 M W PB 3313

002 8:30-10:20 T Th PB 3303

e003 6:30-8:20 M W PB 3302

e004 8:30-10:20 T Th PB 3303

GEOGRAPHY (GEOG)

302-4 Introduction to Physical Geography

Three Saturday field trips TBA.

001 3:30 MTWThF SL 1215 Yarbrough

304-4 Introduction to Economic Geography

001 10:30 MTWThF PB 1412 Kircher

306-4 Introduction to Cultural Geography

001 2:30 MTWThF PB 1412 Baker

308-3 Introduction to Geographic Methods

001 9:30 TWThF PB 1412 Lossau

310b-4 Introduction to Cartographic Methods

001 11:30-1:20 T Th SL 1216

		Romanticism [250 or consent of chairman]	e001	5:30-7:20	M W	SL 1215	Marlow
	001	12:30-2:20 T Th PB 2415	405b-3	Location of Economic Activities II			
311c-3		Spanish Culture and Civilization [250 or consent of chairman]	001	12:30 MWF Photogrammetry		SL 1216	Weismantel
	001	9:30 M PB 1412	426c-4	TBA			
		9:30 W PB 2411	443-4	The Teaching of Geography			
		9:30 F PB 2412	001	2:30 MTWTh PB 0412		Lampe	
351b-3		Advanced Spanish Conversation and Composition [351a]	461a-4	Regional Geography of Anglo-America			
	001	2:30-3:45 T Th PB 0413	001	11:30 MTWTh PB 1412		Baker	
375c-3		Spanish-American Literature [250 or consent of chairman]	464a-4	Regional Geography of Soviet World			
	001	8:30 MWF PB 1313	001	8:30 MTWF PB 1412		Kircher	
499-3		Readings in Spanish [By permit only]	470a-4	Urban Planning: History of Planning			
	e001	4:30-5:45 T Th PB 2409	001	12:30 MTWTh PB 1412		Roth	
501-2		Seminar on a Selected Spanish Author [Graduate standing]	470c-4	Urban Planning: Housing and Community Facilities			
	e001	6:55-7:45 T Th PB 3312	e001	6:30-8:20 T Th PB 1412		Watkins	
505-3		The Picaresque Novel [Graduate standing]	470d-4	Urban Planning: Planning Problems			
	e001	5:30-6:45 T Th PB 3312	e001	4:30-6:20 T Th PB 1412		Johnsen	
			475-4	Methods of Field Geography: Soils			
			001	8:00-12:00 S PB 0306		Wallace	
			490c-2	Tutorial in Geography [Consent of instructor]			
			001	TBA		PB 1408	Bridwell
			500-4	Geographic Techniques I			
140-4		Introduction to Business	001	3:30-5:20 M W PB 1412		Clements	
	001	10:30-12:20 T SL 3114	501-4	Geographic Techniques II			
		10:30-12:20 F PB 0403	e001	5:30-8:20 W PB 1412		Koepeke	
	002	10:30-12:20 T SL 3114	511-4	Philosophy of Geography			
		10:30-12:20 F PB 3313	e001	5:30-8:20 M PB 1412		Hess	
	003	10:30-12:20 T SL 3114	527-4	Seminar in Urban and Regional Planning			
		10:30-12:20 F PB 3310		Additional hours TBA.			
	004	10:30-12:20 T SL 3114	e001	8:30-10:20 W PB 1412		Weismantel	
		10:30-12:20 F PB 3306	530-2 to 4	Independent Studies in Geography [Consent of instructor]			
	005	10:30-12:20 T SL 3114	e001	TBA		PB 1221	Kircher
		10:30-12:20 F PB 3303	570-4	Philosophy, Theory, and Practice of Planning			
	006	2:30-4:20 T PB 1402	e001	6:30-8:20 M W Tract 14B		Weismantel	
		2:30-4:20 Th SL 1225	571a-2	Environmental Aspects of Planning			
	007	2:30-4:20 T PB 1402	e001	8:30-10:20 T PB 1412		Kazeck	
		2:30-4:20 Th PB 2403	571b-2	Environmental Aspects of Planning			
	008	2:30-4:20 T PB 1402		Meets alternate weeks.			
		2:30-4:20 Th PB 0408	001	8:30-12:20 S Tract 14B		Stephens	

572b-4	001	Quantitative Planning Research	Lossau		
573a-4	e001	8:30-12:20 S	PB 1412		
573b-4	e001	Urban Renewal			
574a-4	001	8:30-10:20 M W	Tract 14B		
574b-4	e001	Urban Renewal			
574c-4	001	6:30-8:20 T Th	Tract 14B		
574d-4	001	Urban Planning Design Studio			
574e-4	001	2:30-4:20 T Th	SL 1216		
574f-4	001	Thesis			
574g-4	001	TBA			
574h-4	001				
574i-4	001				
574j-4	001				
574k-4	001				
574l-4	001				
574m-4	001				
574n-4	001				
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585h-4	001				
585					

001	I B A	Masters	8:30-12:20	S	PB 2406	Nordhauser
575-2 to 9	Seminar in International Relations					
001	TBA	Glaser				
590-2 to 9	Seminar in American Public Law					
001	TBA	Kerr				
HEALTH EDUCATION (H E D)						
302s-4	Driver Education and Training					
001	10:30 MTWTh PB 2412	J. Martin				
313s-4	Introduction to Safety Education					
e001	4:30 MTWTh PB 2412	Klein				
410-4	Community and Environmental Health [355 or consent of instructor]					
e001	5:30-8:50 T LB 0034	Grist				
443s-4	Methods and Materials in Driver Education					
001	9:30 MTWTh PB 2412	Kristoff				
460-4	Methods and Materials in Secondary School Health Education					
001	3:30 MTWTh PB 2412	Klein				
525s-4	Organization, Administration, and Supervision of Safety Education					
e001	5:30-8:50 M PB 0312	Klein				
HISTORY (HIST)						
100-3	Survey of Ancient History					
001	9:30 TThS LB 0034	Wurtz				
102-4	Survey of Asian Civilization					
001	8:30 MTWTh PB 2403	Chen				
309-4	The Negro in America					
e001	8:00-9:45 T Th PB 1312	McAfee				
317b-3	The Westward Movement in American History					
e001	6:30-7:45 M W PB 1306	Branz				
326-3	History of the Arab-Israeli Conflict					
001	9:00-12:00 S PB 1306	Grant				
332c-3	Medieval History [Sophomore standing]					
001	11:30 TThS PB 0307	Wurtz				
342b-3	History of Canada					
001	12:30 MWF PB 2403	McCurry				
500b-4	History Seminar: European [Graduate standing]					
e001	Additional hours TBA.					
510-2 to 5	Readings in History [Consent of chairman, minimum 4.0 GPA in history]					
001	TBA					
557-3	Origins, Rise, and Fall of Nazi Germany [430c or 456a,b]					
001	9:00-12:00 S PB 2415	Weingartner				
575a-3	Studies in Latin American History					
001	9:00-12:00 S PB 2414	Millett				
599-1 to 9	Thesis [Consent of chairman]					
001	TBA					
HUMANITIES (HUM)						
303-3 or 4	Humanities Honors [By permit only]					
	Utopias: Renaissance to Present					
001	10:30 MWF PB 1309	Hoyenga				
HUMAN SERVICES (H S)						
101c-4	Orientation to Human Services [Consent of instructor]					
001	1:30-3:20 M W Tract 52	Gilland				
INSTRUCTIONAL TECHNOLOGY (I T)						
403-4	School Library Functions and Management					
	Lab hours TBA.					
001	12:30-3:20 T LB 0056	Mundt				
406-4	Library Materials for Adolescents					
	Lab hours TBA.					
e001	5:30-8:20 T LB 0055					
417-4	Audio-Visual Methods in Education [Consent of Education Division Student Services Office]					
	Student enrolls in one section and arranges one hour per week self-instruction. Sections 003 and 004 for					

I T cont'd.

ITEP students only. Section 003—concurrent enrollment in Ed El 314, Section 003 required. Section 004—concurrent enrollment in Ed S 315, Section 006 required.

001	11:30-1:20	T	LB 0044	Moore
	11:30	Th	LB 0044	Gilligan
e002	5:30-8:20	W	LB 0044	Joyner
003	2:30-4:20	T Th	PB 0403	Joyner
004	2:30-4:20	T Th	PB 0403	Joyner
420-4	School Library Activities and Practices			
	Lab hours TBA.			
e001	5:30-8:20	M	LB 0056	Mundt
422-4	Book Selection			
	Lab hours TBA.			
e001	5:30-8:20	T	LB 0056	
440-2	Photography for Teachers			
001	1:30-3:20	W	LB 0042	Joyner
445-4	Preparation of Teacher-Made Audio-Visual Materials [417]			

Lab hours TBA for all sections.

001	12:30-3:20	M	LB 0042	Moore
e002	5:30-8:20	Th	LB 0042	Moore
e003	5:30-8:20	M	LB 0042	
e004	5:30-8:20	W	LB 0042	
458-4	The Medium of the Motion Picture			
	Lab hours TBA.			
001	9:00-11:40	S	LB 0056	Thota
530-4	History of Books and Libraries			
e001	5:30-8:20	W	LB 0056	Mundt
560-4	Seminar in Instructional Materials			
e001	5:30-8:20	W	LB 0055	Thota
576-2 to 8	Problems in Instructional Materials			
001	TBA			

JOURNALISM (JRNL)

201a-3	News Writing and Editing I [103]			Winter
001	9:30-11:00	T Th	CB 0102	

M S cont'd.

380-4	Management Systems I [GBA 140]			
001	8:30-10:20	T Th	PB 3315	
002	10:30-12:20	T Th	PB 2405	
382-4	Management Systems Simulation [315, 381]			
001	8:30-10:20	M W	PB 1414	
489-1 to 4	Independent Study in Management Science [Consent of instructor and chairman]			
001	TBA			
511-4	Quantitative Methods for Decision Making [MBA students only]			
201	8:30-11:20	W	LH 104	
	1:30-2:50	Th	LH 104	
513-4	Deterministic Models in Decision Making			
e201	5:30-9:50	W	LH 104	
583-4	Advanced Management Systems [511, 580]			
001	8:30-12:20	S	PB 3303	

MARKETING (MKTG)

370-4	Consumer Behavior [GSB 103a, 201c, Econ 201]			
001	10:30-12:20	T Th	PB 3316	
002	8:30-10:20	T Th	PB 3316	
370-4	Marketing Research [371, M S 211]			
001	8:30-10:20	M W	PB 3316	
471-4	Advertising Policy and Management [470]			
001	10:30-12:20	M W	PB 3316	
473-4	Advanced Marketing Management [Senior standing]			
001	10:30-12:20	T Th	PB 3303	
002	10:30-12:20	M W	PB 2306	
e003	8:30-10:20	M W	PB 3316	
479-1 to 4	Independent Study in Marketing [Consent of instructor or chairman]			
001	TBA			
573-4	Marketing Policies [570]			
e001	5:30-9:50	M	PB 3303	

MATHEMATICS (MATH)

210a-3	001	Introduction to Photojournalism [103, consent of instructor]	T	CB 1014	Ward	003 1:30	MTWThF	PB 0304	
	001	2:30-5:20	T	CB 1014	Ward	004 12:30	MTWThF	PB 0304	
303-3	001	News Editing [201a,b]	T Th	CB 0102	Thiel	005 3:30	MTWThF	PB 0304	
	e006	11:30-1:00	T Th	CB 0102	Thiel	006 6:00-8:20	T Th	PB 0304	
340-3	001	The Law of Journalism	M W	CB 0194	Davis	150a-4	Elementary Calculus and Analytic Geometry [114c]		
	001	3:00-5:00	M W	CB 0194	Davis	001 8:30	MWThF	SL 1225	
355-4	e001	Business and Industrial Publications	M W	CB 0102	Hasse	002 10:30	MTThF	SL 1225	
	e001	6:00-8:00	M W	CB 0102	Hasse	003 12:30	MTThF	SL 1224	
362-1	001	Independent Studies in Journalism [Primary or secondary concentration in journalism, consent of chairman]				004 2:30	MWThF	SL 2224	
	e005	6:30-8:20	T Th			005 6:30-8:20	T Th	PB 0302	
410-4	001	TBA				150b-4	Elementary Calculus and Analytic Geometry [150a]		
	001	9:30				001 9:30	MWThF	SL 1224	
	002	1:30				002 1:30	MTThF	LB 0055	
	003	11:30				003 11:30	MTThF	PB 0302	
	e004	6:30-8:20	M W			004 6:30-8:20	M W	PB 0303	
481-4	225-4	Practicum in Specialized Reporting: Advertising [370, 375]					Programming for Digital Computers [GSD 114a]		
	001	12:30	T Th			001 12:30	T Th	PB 1402	West
	002	8:30-10:20	S			002 8:30-10:20	S	CB 0186	
481-4	001	9:30-11:20	M W	CB 0102	Hasse	002 12:30	T Th	PB 1402	West
	e002	6:00-10:00	T	CB 0102		003 10:30-12:20	S	CB 0186	West
						004 12:30	T Th	PB 1402	West
						004 12:30	W F	LB 0056	West
						005 12:30	T Th	PB 1402	West
						006 12:30	W F	SL 1220	West
						e007 3:30	W F	SL 1221	
						250-4	6:30-8:20	T Th	CB 0186
							Calculus and Analytic Geometry [150b]		
	001	10:30	MTWThF	SL 1224	Stephen	001 10:30	MTWThF	SL 1224	M. Livingston
	002	11:30	MWThF	SL 1225		002 11:30	MWThF	SL 1225	
	003	1:30	MTWF	SL 1224		003 1:30	MTWF	SL 1224	
	e004	6:30-8:20	T Th	PB 0303		e004 6:30-8:20	T Th	PB 0303	
300-4	001	XX Honors Calculus [Consent of instructor]				001 9:30	MWThF	SL 1221	
	001	9:30	MWThF	SL 1221		001 9:30	MWThF	SL 1221	

310-4 The Teaching of Elementary Mathematics [GSD 112]

001 2:30 MTThF SL 1224

e002 4:30-6:20 T Th SL 1224

e003 4:30-6:20 T Th PB 0303

321-4 Elementary Matrix Algebra [150b]

001 12:30 MWThF PB 0303

002 2:30 MWThF PB 0302

350a-4 Multivariable Calculus [250]

001 9:30 MWThF SL 1225

e002 6:30-8:20 M W SL 1225

350b-4 Multivariable Calculus [350a]

001 8:30 MWThF SL 1224

002 1:30 MWThF SL 1225

395-2 to 12 Readings in Mathematics [Consent of chairman]

001 TBA

405a-4 Applied Mathematics for Physical Sciences II [305]

001 10:30 MWThF SL 1221

405b-4 Applied Mathematics for the Physical Sciences II

[405a]

e001 4:30-6:20 M W SL 1224 Wilson

415-4 Non-Euclidean Geometry [250]

001 11:30 MWThF SL 1224

420b-3 Fundamental Concepts of Algebra [420a]

001 2:30 MWF SL 1225 Lazerson

421c-3 Linear Algebra [421b]

001 11:30 MWF SL 1220 Lazerson

425-3 Theory of Numbers [321, 350]

001 2:30 MWF SL 1221 M. Livingston

445-3 Fundamental Concepts of Calculus [Consent of

instructor]

e001 5:45-8:25 Th SL 1220 Phillips

446b-3 Structure of Mathematics [Experience in teaching,

consent of instructor]

e001 5:45-8:25 Th SL 1221 Holden

452c-3 Advanced Calculus [452b]

001 1:30 MWF SL 1220 Stephen

455c-3 Advanced Mathematics for the Physical Sciences

[455b]

MUSIC (MUS)

001a-1 Symphonic Band

001 12:30-2:20 MWF CB 1029 Fjerstad

001b-1 University Band

001 12:30-2:20 T Th CB 1029 Oberlag

001c-1 Stage Band

e001 4:30-6:00 M W CB 1029 W. Brown

002b-1 University Chorus

001 2:30 MWF CB 1029 Vang

002e-1 SIU Community Choral Society

e001 7:30-9:30 T PB 1402 Van Camp

002g-1 Concert Chorale

001 11:30 MTWThF CB 1029 Van Camp

003-1 University Symphony Orchestra

001 2:30-4:20 T CB 1029 Kendall

e002 2:30 Th CB 1029 Schieber

010b-1 8:00-10:00 T CB 1029

001 Class Applied Music: Woodwinds

010d-1 8:00-9:20 M W CB 1029 Oberlag

001 Class Applied Music: Percussion

010e-1 9:30 MWF CB 1029 Fjerstad

001 Class Applied Music: Piano

001 3:30-5:20 T Th PB 3406 Ferguson

002 3:30 MWF PB 3406 Ferguson

003 2:30 MWF PB 3406 Ferguson

004 1:30 MWF PB 3406 Ferguson

005 1:00-2:20 T Th PB 3406 Ferguson

010f-1 Class Applied Music: Voice

001 10:30 MWF CB 0158 Turner

002 10:30 MWF CB 1029 Vang

105b-4 Theory of Music

001 8:30 MTWThF CB 0194 Kresteff

105c-4 Theory of Music

001 8:30 MTWThF PB 3404 Woodward

002 8:30 MTWThF CB 0158 Scott

003 8:30 MTWThF PB 3406 Warren

140a-u-2 or 4 Private Applied Music [By permit only]

001 TBA

Mus cont'd.

413c-3	Piano Literature			
001	2:30 MWF	CB 0158	Premezzi	
440a-u-2 or 4	Private Applied Music [By permit only]			
	See 140a-u.			
001	TBA			
442-3	Counterpoint			
e001	4:30 MWF	PB 3404	Kresteff	
451-3	The Teaching of General Classroom Music			
e001	5:30-8:20 Th	PB 3406	Tulloss	
461c-3	Teaching Techniques and Materials			
001	3:30 MWF	CB 0158	Slenczynska	
481-2 to 6	Readings in Music Theory [By permit only]			
001	TBA			
482-2 to 6	Readings in Music History and Literature [By permit only]			
001	TBA			
483-2 to 6	Readings in Music Education [By permit only]			
001	TBA			
499-1 to 3	Independent Study [By permit only]			
001	TBA			
519c-3	Vocal Pedagogy and Literature			
e001	6:30-9:20 M	Tract 16	Moore	
540a-u-2 or 4	Private Applied Music [By permit only]			
	See 140a-u.			
001	TBA			
515-3	Twentieth Century Literature [By permit only]			
e001	5:30-8:20 W	PB 3404	Warren	
550b-4	Organization and Administration of the Music Education Program: Secondary			
e001	5:30-8:20 M	CB 0194	Claudson	
556-3	Advanced Conducting			
e001	5:00-7:45 T	CB 1029	Kendall	
566-1	Instrumental Ensemble			
001	12:30-2:20 MWF	CB 1029	Fjerstad	
002	11:30 T Th	TBA	Pival	
003	TBA		Schieber	
567-1	Vocal Ensemble			
e001	7:30-9:20 T	PB 1402	Van Camp	

Phil cont'd.

385a-4	History of Western Philosophy: Ancient [Sophomore standing]			
001	8:30-10:20 W	PB 1311	Paxson	
	8:30-10:20 F	PB 1312		
385c-4	History of Western Philosophy: 17th and 18th Centuries [Sophomore standing]			
001	12:30-2:20 MW	PB 2412	Christensen	
391-4	Introduction to Theory of Knowledge [Sophomore standing]			
001	2:30-4:20 MW	PB 0406	Barker	
484c-4	History of Western Political Theory (Same as Govt 484c) [Junior Standing]			
001	9:30-1:20 S	PB 0314	Jacobitti	
490-4	Special Problems: Marxism vs. Existentialism [By permit only]			
001	2:30-4:20 T Th	PB 1302	Keene	
495-2 to 12	Independent Readings [By permit only]			
001	TBA			
502a,b-2	Methods of Teaching Philosophy [Graduate standing]			
001	TBA			
520-4	Practicum in Teaching Philosophy in the Community College [Graduate standing]			
001	TBA			
535-4	Aristotle [Graduate standing]			
001	12:30-2:20 T Th	PB 1302	Lawrence	
565-4	Ethical Theory [Graduate standing]			
001	2:30-4:20 MW	PB 1302	Seligman	

PHYSICAL EDUCATION (P E)

025-0	Orientation			
001	10:30 F	PB 2412	Showers	
303a-4	Homokinetics [GSA 201a]			
001	8:30 MTWTh	LB 0056	Archangel	
303c-4	Homokinetics [303b]			
001	9:30 MTWTh	LB 0056	Archangel	
323c-1	Officiating Techniques			
001	TBA			

NURSING (NURS)

Room	Room Number	Room Name	Room Type	Room Size	Room Features	Room Amenities	Room Notes
280c-4	001	Nursing and Community Health	12:30-2:20	M	PB 0312		
			8:00-12:20	W	Clinic		
			1:30	W	LB 0012		
			12:30-2:20	M	PB 0312		
			8:00-12:20	F	Clinic		
302b-4	001	Nursing of Children	1:30	F	LB 0012		
			8:00-12:00	TW	Clinic		
			11:30-12:20	M	PB 1414		
			9:30-10:50	F	LB 0054		
			Medical-Surgical Nursing				
303b-4	001	Medical-Surgical Nursing	8:00-12:00	TW	Clinic		
			9:30-10:50	M	PB 1316		
			11:00-11:50	F	LB 0054		
			Leadership in Nursing				
			7:00-3:30	TW	Clinic		
382-6	001	Senior Seminar	8:30-10:20	Th	CB 0186		
			9:30-11:20	M	Clinic		
384-2	001	Senior Seminar	8:30-10:20	Th	CB 0186		
			9:30-11:20	M	Clinic		

PHILOSOPHY (PHIL)

200-4	001	Introduction to Philosophy	11:30	MTThF	PB 0412	Emblom
301-4	001	Philosophy of Religion [Sophomore standing]	8:30-10:20	T Th	PB 0309	Pletcher
	e002		6:30-8:20	M W	PB 2411	Pletcher
306-4	001	Introduction to Phenomenology [Sophomore standing]	10:30	MTThF	PB 0412	Hamrick
342-4	001	Social and Political Theory [Sophomore standing]	12:30-2:20	T Th	PB 0309	Broyer
360-4	001	Philosophy of Art [Sophomore standing]	11:30	MTThF	PB 0408	Hudlin

349-2	001	Camping Education 1:30	T Th	PB 0410	Piper
350-4		Methods and Materials for Teaching Physical Education Activities in the Elementary School Ten hours TBA for all sections.			
	e001	5:30-8:20	M	LB 0033	Moehn
	002	1:30-3:20	M W	LB 0033	Moehn
	003	8:30-10:20	T Th	LB 0033	Sappington
365-3		Organization and Administration of Community Recreation			
	001	9:30	T Th	PB 0307	Bobka
		9:30	W	PB 0302	
370-4		Tests and Measurements in Physical Education			
	001	1:30	M W	LB 0056	Showers
		1:30-3:20	F	LB 0056	
376-3		Emergency Care and Prevention of Athletic Injuries			
	e001	5:30-8:20	Th	LB 0055	Buddell
382-4		Methods and Materials in the Secondary Schools [Consent of instructor]			
	001	10:30	M W	LB 0056	DeLong
		10:30-12:20	F	LB 0033	
383-2		Outdoor Group Games			
	001	1:30	T Th	LB 0033	Moehn
385-2		Indoor Group Games			
	001	2:30	T Th	LB 0033	Moehn
387-2		Developmental Skills			
	001	8:30	M W	LB 0033	Sappington
475-4		Individual Research			
	001	TBA			Herrold
501-4		Curriculum in Physical Education			
	e001	5:30-8:50	M	LB 0044	Herrold
503-4		Seminar in Physical Education			
	e001	5:30-8:50	W	PB 1309	DeLong
525-4		Readings in Physical Education			
	001	TBA			Herrold

PHYSICS (PHYS)

Psyc cont'd.

206c-5	College Physics [206b]	11:30	MTWThF	SL 0226	001	002	10:30-12:20	T Th	PB 3305
		12:30-2:20	F	SL 1218	003	003	8:30-10:20	M W	PB 3305
		11:30	MTWThF	SL 0226	305-4	305-4	Introduction to Personality Dynamics [GSB 201c]		
		2:30-4:20	F	SL 1218	001	001	12:30-2:20	T Th	PB 3305
211c-4	University Physics [211a]				307-4	307-4	Social Psychology [GSB 201c]		
		12:30	MTWThF	SL 1105	001	001	3:30-5:20	T Th	PB 3310
		11:30	T Th	SL 1220	e001	e001	Experimental Psychology: Learning [211a,b]		
		12:30	MTWThF	SL 1105	002	002	4:30-6:20	T Th	SL 2212
		11:30	T Th	PB 2412	312-4	312-4	Experimental Psychology: Perception [311]		
		12:30	MTWThF	SL 1105	e001	e001	6:30-8:20	T Th	SL 2212
		12:30	T Th	PB 0307	314-4	314-4	Experimental Psychology: Comparative and Physiological [311]		
		12:30	MTWThF	SL 1105	001	001	8:30-10:20	M W	SL 2212
		12:30	T Th	PB 1313	320-4	320-4	Industrial Psychology [GSB 201c]		
		12:30	MTWThF	SL 1105	e001	e001	6:30-8:20	T Th	PB 2405
		12:30	T Th	PB 2403	406-4	406-4	Learning Processes		
		12:30	MTWThF	SL 1105	e001	e001	Meets first four Fridays only.		
		11:30	T Th	LB 0056	409-4	409-4	5:30-8:20	W F	PB 2405
212c-1	University Physics Laboratory [212a]						History and Systems [Advanced standing or consent of instructor]		
		2:30-5:20	M	SL 1218			Meets second four Fridays only.		
		8:30-11:20	T	SL 1218					
		2:30-5:20	T	SL 1218	001	001	5:30-8:20	W	PB 3305
		8:30-11:20	W	SL 1218			5:30-8:20	F	PB 3306
		2:30-5:20	W	SL 1218			Psychological Tests and Measurements [211b or consent of instructor]		
		8:30-11:20	Th	SL 1218					
		2:30-5:20	Th	SL 1218	001	001	10:30-12:20	W	PB 2411
		8:30-11:20	F	SL 1218			10:30-12:20	F	PB 2405
		8:30-11:20	M	SL 1218			Psychopathology [305 or consent of instructor]		
300a-4	Introduction to Modern Physics				431-4	431-4	3:30-5:20	M F	PB 2306
300b-1	University Physics Laboratory IV				432-4	432-4	Mental Hygiene [305]		
		7:30-9:50	T Th	LB 0058	001	001	9:00-12:20	S	PB 1316
305b-4	Electromagnetic Field Theory [305a]				465-4	465-4	Group Dynamics and Individual Behavior [307 or consent of instructor]		
		6:30-9:20	W	SL 0212					
310-4	Optics [211]				e001	e001	Section 001 meets first four Fridays only.		
		10:30	MTThF	SL 0226			5:30-8:20	M	PB 3305
		1:30	MTWThF	SL 0226			5:30-8:20	F	PB 3310
311-1	Optics Laboratory				002	002	9:00-12:30	S	PB 0309

415c-4	Nuclear Physics [300a, 305]	495-4	Seminar: Selected Topics [Consent of instructor] Meets first four Fridays only.
001	9:30 MThF SL 0226	001	5:30-8:20 MF LB 0034
418-1	Modern Physics Laboratory [300b]	501c-4	Proseminar in General Psychology [Consent of instructor or chairman]
001	9:30-12:20 T SL 0211	001	2:30-4:20 T Th PB 0406
530b-3	Electromagnetic Theory [530a]	522-4	Research Design and Inference III [211b]
e001	6:30-7:45 T Th SL 0226	e001	5:30-9:20 Th PB 2412
531c-3	Quantum Mechanics [531b]	537-4	Counseling and Psychotherapy [Consent of instructor]
001	9:30 MWF SL 1220	e001	5:30-8:20 M PB 2405
575-2	Graduate Seminar	541a-4	Psychodiagnostics I [211b, 421, consent of instructor]
001	3:30 T Th SL 0226	e001	5:30-8:20 W GOB 2225
590-1 to 9	Research in Physics	541b-4	Psychodiagnostics I [211b, 421, consent of instructor]
001	TBA	e001	5:30-8:20 Th GOB 2225
		543a-4	Psychodiagnostics II [Consent of instructor]
		e001	5:30-8:20 T GOB 2225
		553-4	Seminar in Clinical Child Psychology [531, consent of instructor]
		e001	5:30-8:20 M GOB 2225
		564-4	Communication and Group Behavior [Consent of chairman]
		e001	5:30-8:20 W PB 1316
		571-4	Industrial Motivation and Morale [320 or consent of chairman]
		e001	5:30-8:20 M TBA
		590-4	Readings in Psychology [Consent of instructor]
		001	TBA
		591-4	Research in Psychology
		001	TBA
		593-2 to 4	Practicum in Psychology
		001	TBA
		598-2	Ethical and Professional Problems in Psychology [Psychology concentration or consent of instructor]
		e001	10:00-12:00 S PB 2413
		599-2 to 4	Thesis
		001	TBA
PRODUCTION (PROD)			
460-4	Production Management [GSA 340]		
001	10:30-12:20 M W PB 3315		
PSYCHOLOGY (PSYC)			
211a-4	Principles and Methods of Psychology [GSB 201c]		
001	9:30 T Th PB 0312		
002	10:30-12:20 F SL 2212		
003	9:30 T Th PB 0312		
004	10:30-12:20 W SL 2212		
	9:30 T Th PB 0312		
	10:30-12:20 T SL 2212		
	9:30 T Th PB 0312		
	10:30-12:20 M SL 2212		
211b-4	Principles and Methods of Psychology [GSB 201c]		
001	12:30-2:20 M W PB 3313		
301-4	Child Psychology [GSB 201c]		
e001	6:30-8:20 T Th SL 1105		
002	3:30-5:20 T Th PB 3305		
003	10:30-12:20 M W PB 3305		
004	8:30-10:20 T Th PB 3305		
303-4	Adolescent Psychology [GSB 201c]		
e001	6:30-8:20 M W SL 1105		

SCIENCE AND TECHNOLOGY (SC & T)

402-4	001	Modern Physics [GSA 101a] 2:30 MWThF SL 0226	
403b-3		Experiments and Techniques of Physics [Education concentrations]	
	001	TBA SL 0212	
412c-3		Physical Science Curriculum	
	e001	6:45-9:15 T SL 1221	

SOCIOLOGY (SOC)

301-4		Social Theory and Methods of Inquiry	
	e001	6:30-8:20 T Th PB 0314	J. Reynolds
	002	10:30 MTWTh PB 0314	Young
312-4		Research Methodology and Data Analysis	
	e001	4:30-6:20 T Th PB 0314	Campbell
321-4		Individual and Society	
	e001	4:30-6:20 MW PB 0306	Lauer
332-4		Social Organization	
	001	12:30-2:20 T Th PB 3302	Campbell
336-4		Urban Problems of East St. Louis	
	001	10:30-12:20 MW PB 3302	Altes
396-4		Readings in Sociology	
	001	TBA	Crowther
435-4		Social Inequality	
	001	10:30-12:20 MW LB 0054	Lauer
436-4		Social Structure of the United States	
	001	10:30-12:20 T Th PB 0309	Blain
439-4		Medical Sociology	
	001	2:30-4:20 T Th PB 2411	J. Reynolds
451-4		Social Thought: The Sociological Movement	
	e001	6:30-8:20 T Th PB 2411	L. Reynolds
474-4		Crime and the Legal Process	
	e001	4:30-6:20 MW PB 2411	Ashpole
484-4		Marriage Counseling	
	e001	6:30-10:20 W PB 1313	Taylor
519-4		Methodological Foundations of the Social Sciences	
	001	1:30-3:20 T Th PR 1309	Crowther

481a-4		Seminar: Emotionally Disturbed [410a] Additional hours TBA.	
	e001	5:30-8:20 W PB 3311	Shea
481c-4		Seminar: Gifted [410c] Additional hours TBA.	
	e001	5:30-8:20 Th PB 2414	Shaffer
496-1 to 8		Readings and Independent Student in Special Education [Consent of instructor]	
	001	TBA	
501-4		Special Research Problems [Consent of instructor]	
	001	TBA	
518-4		Workshop in Special Education [Consent of instructor]	
	e001	5:30-8:20 M PB 2415	Whiteside
577-4		Practicum in Special Education	
	001	TBA	
590a-4		Seminar: Mental Retardation	
	e001	5:30-8:20 Th PB 2415	Tucker
597-4		Research in Special Education	
	e001	5:30-8:20 T PB 2415	Tucker

SPEECH (SPCH)

202-4		Principles of Discussion	
	001	9:30-11:20 T Th PB 1308	Salden
224-4		Communicative Reading	
	001	11:30 MWThF CB 0194	Estes
301-4		Persuasion	
	001	1:30 MWThF PB 1313	Hawkins
302-4		XX Speech Practices	
	001	3:30-5:20 T Th PB 3303	Hawkins
303-4		Business and Professional Speaking	
	e001	5:30-7:20 T Th LB 0058	Robinson
407a-4		History of American Public Address	
	001	12:30-1:20 MWThF PB 3306	Stoppe
449-4		General Semantics	
	e001	Additional hours TBA.	

599-2 to 9
Thesis
001 TBA

SOCIAL WELFARE (SOC W)

375-4 Social Welfare as A Social Institution
e001 6:30-8:20 M W PB 3310 Wilks
482b-4 Social Work in Selected Agencies
001 TBA Ashpole

SPECIAL EDUCATION (SPED)

353-8 Special Education Student Teaching
001 TBA
410a-4 Problems and Characteristics of the Emotionally
Disturbed Child [414]
001 3:30-5:20 T Th PB 0302 Shea
410b-4 Problems and Characteristics of the Mentally Retarded
Child [414]
Additional hours TBA.
e001 5:30-8:20 M PB 3117 Haider
410g-4 Problems and Characteristics of the Learning Disabled
Child [414]
Additional hours TBA.
e001 5:30-8:20 Th PB 0307 Long
411-4 Assessment and Remediation of Learning Disabilities
[410g, 414]
e001 5:30-8:20 M PB 1308 Long
414-4 The Exceptional Child
Additional hours TBA for Section 001.
e001 5:30-8:20 W PB 0314 Haider
002 3:30-5:20 T Th LB 0055 Haider
420a-4 Methods and Materials in the Education of the
Emotionally Disturbed [410a]
e001 5:30-8:20 W PB 2415 Shea
420b-4 Methods and Materials in the Education of the
Educable Mentally Handicapped [410b]
Additional hours TBA.
e001 5:30-8:20 T PB 2414 Tucker

530-1 to 4
Research Problems
001 TBA

SPEECH AND AUDIOLOGY (SP & A)

212-4 Articulatory Problems and Delayed Speech
001 12:30 MWThF CB 2012 Carey
319-4 Stuttering
001 11:30 MWThF CB 2012 Lieblich
405a-4 Practicum in Speech and Hearing Therapy
Additional hours TBA.
001 8:30 W CB 2007 Haines
405b-4 Practicum in Speech and Hearing Therapy
Additional hours TBA.
001 8:30 W CB 2007 Haines
405c-4 Practicum in Speech and Hearing Therapy
Additional hours TBA.
001 8:30 W CB 2007 Haines
409-4 Research Techniques in Speech Science
Additional hours TBA.
e001 5:30-8:20 T CB 2007 Shoquist
414-4 Anatomy and Physiology of Speech and Hearing
Mechanism
001 2:30 MWThF CB 2012 Maag
415-4 Aphasia
001 1:30 MWThF CB 2012 Taylor
419-4 Communication Problems of the Deaf and Hard of
Hearing
001 10:30 MWThF CB 2012 Shoquist
515-1 to 4 Readings in Speech Pathology
001 TBA CB 2009 Carey
521-1 to 4 Seminar in Articulation and Delayed Speech
Additional hours TBA.
e001 5:30-8:20 M CB 2012 Lieblich
522d-4 Seminar in Organic Speech Problems: Voice Disorders
Additional hours TBA.
e001 5:30-8:20 T CB 2012 Carey

TELEVISION-RADIO (TV-R)

100-4	Process and Effects of Mass Communications			
001	10:30-12:20 T Th	LB 0034		
201-4	Broadcast Continuity Writing			
	Additional hours TBA.			
001	12:30 MWF	CB 0194		
202-4	Broadcast Performance			
	Lab TBA.			
001	9:30 T Th	CB 0137		
252-4	Television Laboratory [Consent of instructor]			
001	9:30 MWF	CB 1014		
	1:30-3:20 T Th	CB 1012		
300-5	Radio Production			
001	1:30 M	CB 0139		
	1:30-3:20 W F	CB 0139		
301-5	Television Production [252, consent of instructor]			
001	10:30 MWF	CB 1014		
	10:30-12:20 T Th	CB 1012		
302a-4	Radio News [201]			
001	11:30 MWF	CB 1014		
303-4	Broadcast Advertising [200 or consent of instructor]			
001	1:30-3:20 T Th	CB 1039		
390-3	Special Problems in Mass Communications [Project, consent of chairman]			
001	TBA			
403-4	Seminar in Educational Broadcasting [Consent of instructor]			
	Additional project hours TBA.			
001	8:30 MWF	CB 1014		
405-4	Television Documentary [Consent of instructor]			
001	3:30-5:20 T Th	CB 1014		
406-4	Special Events [Consent of instructor]			
001	12:30-2:20 T Th	CB 1014		
466a-3	Advanced Practices [Consent of instructor]			
001	TBA			
466b-3	Advanced Practices [466a]			
001	TBA			

	Dance: Repertory Rehearsal			
	e7:00-9:20 TBA	CB 2015		
	Dance: Dance Repertory			
	e5:00-7:00 MWF	CB 2015		
410-3	Children's Theater			
	10:30-12:20 T Th			Branham
411-4	Playwriting			
	Additional hours TBA.			
	5:30-8:20 T	CB 0194		Birdman
412b-4	Stage Design			
	Additional hours TBA.			
	5:30-8:20 T	SL 1216		Vilhauer
507-4	The History of Acting			
	Additional hours TBA.			
	5:30-8:20 W	CB 0194		Archer
519-1 to 4	Theater Practicum			
	6:30-9:20 TBA	CB 2015		Birdman
TECHNICAL AND ADULT EDUCATION (T & AE)				
	CCS 103-2 Child and Nutrition			
	e001 5:00-6:50 Th	PB 0403		
	CCS 109b-3 Personal Interaction			
	001 9:30-11:20 T Th	SL 1220		Naylor
	CCS 203-3 Parent and Community			
	Additional hours TBA.			
	e001 7:30-9:20 Th	PB 2410		Rockwell
	English Review			
	e001 6:30-8:20 T	PB 0412		
	e002 6:30-8:20 Th	PB 0412		
	e003 8:30-10:20 W	PB 0412		
	Speed Reading			
	e001 4:30-6:20 T	PB 0412		
	e002 4:30-6:20 Th	PB 0412		
	e003 6:30-8:20 W	PB 0412		

100-0,2,4 or 6 First Year in Theater [Consent of director of theater]	
001 TBA	CB 2015
200-0,2,4 or 6 Second Year Work in Theater [Consent of director of theater]	
001 TBA	CB 2015
300-0,2,4 or 6 Third Year Work in Theater [Consent of director of theater]	
001 TBA	CB 2015
400-0,2,4 or 6 Fourth Year Work in Theater [Consent of director of theater]	
001 TBA	CB 2015

Students enrolling in Theater 100-400 must be advised by the Director of University, Dr. Kluth, CB 1038, before their appointment with General Studies Advisement and before registering. Students will be assigned the following hours according to the amount of credit taken:

Acting Studio	
2:30-5:20	M W CB 2015
Acting Projects	
2:30-5:20	M W CB 2015
Technical Studio	
2:30-5:20	T Th CB 0194
Business Management	
1:30	T Th CB 0194
Stage Movement	
9:30	MTWThF CB 2015
10:30	MTWThF CB 2015
Dance: Labanotation	
11:30	MWF CB 2015
Dance: History	
11:30	T Th CB 2015
Dance: Advanced Technique	
12:30-2:20	MWF CB 2015
Dance: Ballet	
12:30-2:20	T Th CB 2015



